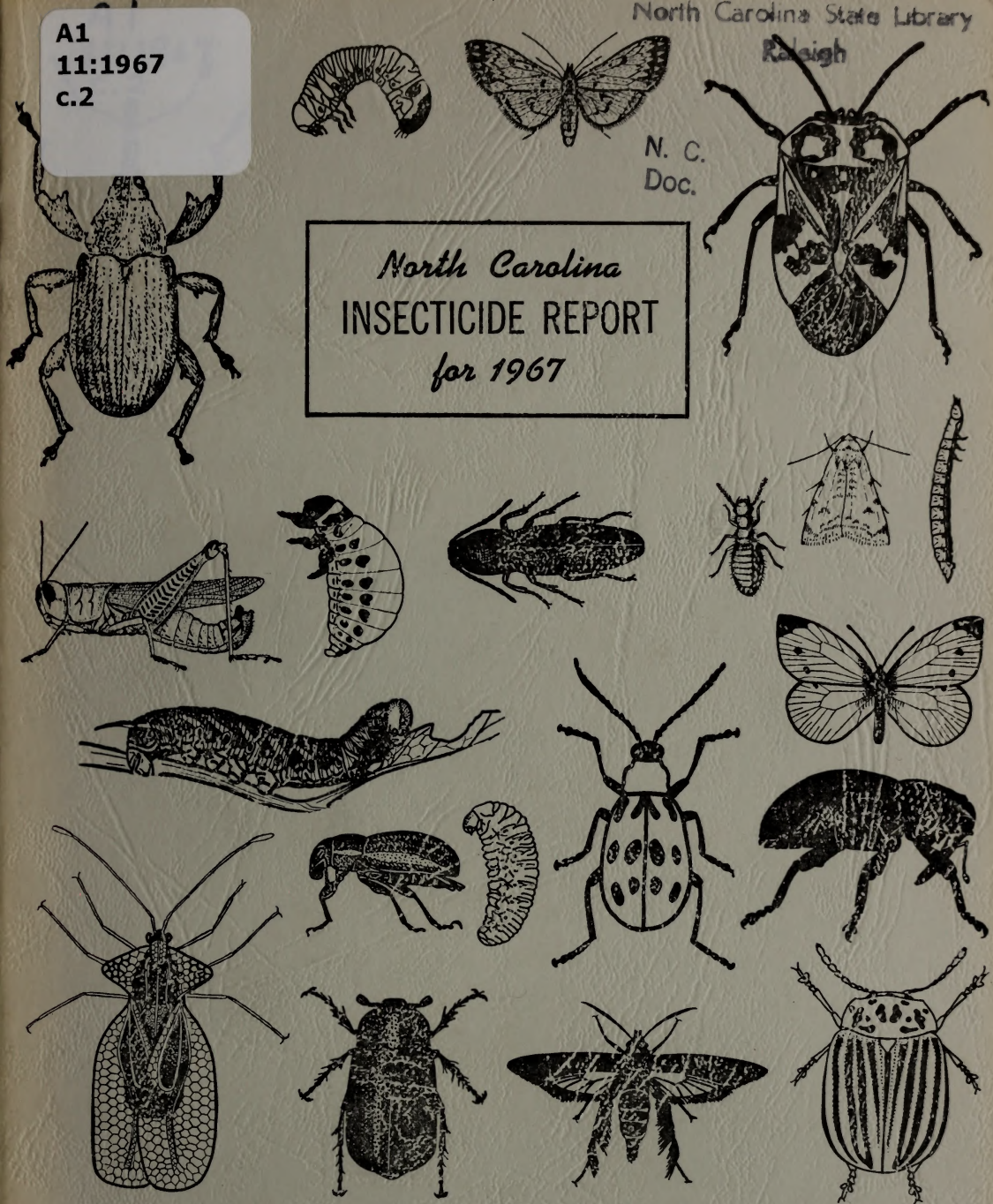


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*North Carolina*  
**INSECTICIDE REPORT**  
*for 1967*



**THE BULLETIN**  
of the  
**North Carolina Department of Agriculture**

*JAMES A. GRAHAM, Commissioner*

**Number 192**

**June, 1968**





North Carolina

# INSECTICIDE REPORT

for

January 1-December 31, 1967



## THE BULLETIN

of the

### North Carolina Department of Agriculture

### Raleigh, N. C.

JAMES A. GRAHAM, *Commissioner*

JOHN L. REITZEL, *Assistant Commissioner*

E. W. CONSTABLE, *State Chemist*

Number 192

June, 1968

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## Table of Contents

|  | Page |
|--|------|
| Inspection and Analysis of Economic Poisons .....  | 5    |
| Brief of North Carolina Insecticide Law .....  | 7    |
| Economic Poison Registrants, 1967 .....  | 9    |
| North Carolina Aerial Crop-Dusting Law and Regulations .....                                 | 20   |
| Licensees Under North Carolina Aerial Crop-Dusting Law for 1967....                          | 26   |
| Chemical and Common Names .....  | 30   |
| Summary of Economic Poisons Examined .....   | 40   |
| Decisions .....  | 42   |
| Analysis Tables (Each heading in this table indicates mixtures<br>with other materials also) |      |
| Aldrin .....   | 43   |
| Amitrole .....   | 44   |
| Arsenicals .....   | 45   |
| Atrazine .....   | 49   |
| Baytex .....   | 50   |
| BHC .....  | 50   |
| Boric Acid .....   | 56   |
| Calcium Cyanide .....  | 57   |
| Calcium Polysulfide .....  | 57   |
| Captan .....   | 58   |
| Chlordane .....  | 60   |
| Ciodrin .....  | 65   |
| Copper .....   | 65   |
| Cotoran .....  | 68   |
| 2,4-D .....  | 69   |
| Dacthal .....  | 71   |
| DDD .....  | 71   |
| DDT .....  | 78   |
| DDVP .....   | 108  |
| Delphene .....   | 111  |
| Demeton .....  | 112  |
| Diazinon .....   | 112  |
| Dibrom .....   | 113  |
| Dieldrin .....   | 113  |
| Dimetalan .....  | 116  |
| Dimethylamine Salt of Butyrac .....  | 116  |
| Dinitro Ortho Cresol .....   | 116  |
| Dipterex .....   | 116  |
| Endrin .....   | 117  |
| Ethylene Dibromide .....   | 117  |
| Ferbam .....   | 118  |
| Fluorine Compounds .....   | 119  |
| Fumarin .....  | 121  |
| Kelthane .....   | 122  |
| Kepone .....   | 123  |
| Malathion .....  | 123  |
| Maneb .....  | 130  |
| Methoxychlor .....   | 130  |

|                                     | page |
|-------------------------------------|------|
| MH-30 .....                         | 133  |
| Naphthalene .....                   | 133  |
| Nemagon .....                       | 134  |
| Nicotine .....                      | 134  |
| Norea .....                         | 134  |
| Paradichlorobenzene .....           | 135  |
| Parathion .....                     | 136  |
| Pentachlorophenol .....             | 138  |
| Perthane .....                      | 139  |
| Petroleum Derivative Solvents ..... | 140  |
| Phaltan .....                       | 140  |
| Phenol Preparations .....           | 140  |
| Phosdrin .....                      | 142  |
| Phosphorus .....                    | 142  |
| Pine Oil .....                      | 143  |
| Pival .....                         | 143  |
| Pivalyn .....                       | 143  |
| Polyram .....                       | 144  |
| Pyrethrins .....                    | 144  |
| Rotenone .....                      | 148  |
| Sabadilla .....                     | 152  |
| Sevin .....                         | 153  |
| Sodium Chlorate .....               | 164  |
| Strychnine .....                    | 164  |
| Sulfur .....                        | 165  |
| Tenorán .....                       | 166  |
| Terrachlor .....                    | 166  |
| Thallium Sulfate .....              | 167  |
| Thiodan .....                       | 167  |
| Thiram .....                        | 167  |
| Toxaphene .....                     | 167  |
| Trithion .....                      | 177  |
| Vernam .....                        | 177  |
| Warfarin .....                      | 177  |
| Zineb .....                         | 180  |
| Miscellaneous Inorganic .....       | 181  |
| Miscellaneous Organic .....         | 181  |



## Inspection and Analysis of Economic Poisons

Economic poisons or pesticides cover a large number of materials and mixtures intended for destroying, controlling, or repelling pests such as insects, weeds and other noxious plants, predatory animals and birds, soil-infesting pests such as nematodes, algae, snails and bacteria. Other examples are disinfectants, antiseptics and fungicides for use other than on living man or other animals, defoliants, various repellants, fly paper and other adhesive products whose action goes beyond simple mechanics, moth proofers, wood preservatives other than common paints, mildew controls, and seed fumigants and disinfectants.

An adequate and reliable supply of these products is as indispensable as is fertilizer in the production of food and fiber crops. Weed killers and defoliants are important adjuncts. The preservation of many products in storage and the control of domestic and industrial pests which affect both the health and welfare of human beings and animals are likewise dependent on such materials.

While encouraging the development and distribution of reliable products to serve these needs, and with due regard for public health and welfare, it is the purpose of the economic poisons law (the North Carolina Insecticide, Fungicide and Rodenticide Act of 1947, G. S. Article 4A, Chapter 106) to protect the public from adulterated, misbranded, worthless and dangerous products, and legitimate manufacturers from unscrupulous competition. Among other requirements, the law authorizes inspections, analyses of official samples taken from products offered for sale within the state and publication of the results. With other pertinent information there is given in this issue of The Bulletin a list of registrants, a summary of registrations and detailed results of analyses of official samples taken throughout the state by inspectors of the department for the calendar year 1967. Included also are the North Carolina Aerial Crop-Dusting Law, regulations and registrants under that law, for 1967.

Before any brand of economic poison can be legally offered for sale in the state, it is required that it be registered with the Department of Agriculture. Application forms, furnished by the department, must be submitted in triplicate with copy of all labeling and claims. Applications must be accompanied by an inspection fee of ten dollars per brand and grade, payable to the North Carolina Department of Agriculture. All registrations expire December 31 of each year and are subject to re-registration with annual payment of inspection fees. Requirements are given in fuller detail in the "Brief of North Carolina Insecticide Law" on pages 7 and 8. Copies of the law and related regulations are available on request.

A statewide inspection service is maintained for the collection of official samples of economic poisons from farms, other users and dealers. Individual requests for inspections are followed up promptly.

Samples are sent to the department's laboratories for analysis and as soon as this work is completed, individual reports are forwarded to manufacturers, dealers and users. As a further means of reporting, an issue of The Bulletin covering a year's work as exemplified herewith, is published annually.

The economic poisons law gives control officials certain discretionary authority in dealing with borderline cases. The earnest cooperation of a great majority of manufacturers and dealers has been a valuable asset in the administration of the law.

Cooperative work by staff members of the North Carolina Experiment Station and Extension Service has been mutually beneficial and most helpful. Credit also is due members of the laboratory section for the highly satisfactory manner in which analytical work has been carried out: R. T. Teague, Assistant State Chemist; William Buffaloe, Jerry Dis-mukes, Thomas Vick, James Watson, Chemists; Mrs. Betty Ballance, Mrs. Frances Liles, Secretaries; Henry O. Austin, A. G. Campbell, Jr., H. C. McPhail, Thomas M. Parker, Carl Williams, Inspectors; Wavely Lucas, Laboratory Helper.



## Brief of North Carolina Insecticide Law

- |   |                           |
|---|---------------------------|
| Commissioner of Agriculture, Raleigh, North Carolina. | Administrative<br>Officer |
|---|---------------------------|
1. The name and address of the guarantor.
  2. The brand name or trademark.
  3. The net weight or measure.
  4. A guaranteed analysis statement showing:
    - a. The name and percentage of each active ingredient.
    - b. The total percentage of inert ingredients.
  5. Instructions for use, adequate for the protection of public.
  6. A warning or caution statement adequate to prevent injury.
  7. For economic poisons highly toxic to man:
    - a. The skull and crossbones.
    - b. The word "Poison" in red, on distinctly contrasting background.
    - c. An antidote for the poison.
  8. When arsenic is present—the percentage of the total and of the water-soluble arsenic separately and as elemental (metallic) arsenic.

Information  
Required to  
Appear on  
Package  
Labels

### Other General Requirements

- |  |                         |
|--|-------------------------|
|  | General<br>Requirements |
|--|-------------------------|
1. Strength and quality must not fall below that professed or claimed.
  2. No false or misleading statements, design or other representation is permissible.
  3. Imitations are not permitted.
  4. Labeling may not refer to registration.
  5. Labeling shall be legible and understandable.
  6. Claims or directions for use may not deviate in substance, or composition vary, from representations made on registering.
  7. Economic poisons must be sold in the registrant's or manufacturer's original package. If repackaged for sale, it loses its original identity and qualifies as a new product. As such it is subject to registra-

tion and all other provisions of the law. Responsibility rests on the repackaging agent.

8. Economic poisons in powdered form of white or light color require distinct further coloring for safety.

Each brand and grade of economic poisons must be registered prior to sale (application forms are furnished by the department), subject to renewal annually, January 1st. Duplication of registration by secondary sellers is not required.

Registration

Application must be accompanied by full information (see package labeling above), including specimen of labeling, all claims, and, if called for, certain additional data when necessary in qualifying the product.

An annual inspection tax of \$10.00 for each brand and each grade is required.

Inspection  
Tax

Inspection tax must accompany application for registration, payable to the North Carolina Department of Agriculture.

Method of  
Paying

Registration is subject to refusal or cancellation for cause and upon hearing.

Refusal or  
Cancellation of  
Registration

Goods not measuring up to requirements are subject to Stop-Sale Orders.

Stop-Sale  
Orders

Short weight, in addition to above, is subject to penalty.

Short Weight

#### Exempt from Penalties of Law Are:

1. Carriers engaged in legal transporting.
2. Public officials while performing official duties.
3. Manufacturers and shippers of products properly identified for experimental use only.
4. Persons shown to be proceeding in good faith on guarantees and representations given by others. The original guarantor then is liable.

Exemptions

**NOTE:** Copies of the economic poisons law may be obtained upon request to the Inspection Division, North Carolina Department of Agriculture, Raleigh, North Carolina.



## Economic Poisons Registrants, 1967

ABCO, INC.  
R. D. No. 6  
Irwin, Pennsylvania 15642

ACELINE PRODUCTS  
CORPORATION  
27 Gorham Street  
Rochester, New York 14601

ADKINS-PHELPS COMPANY  
403 Magnolia Street  
North Little Rock, Arkansas 72114

AERO-MASTER, INC.  
325 W. Pacific Avenue  
St. Louis, Missouri 63119

AEROSOL CORPORATION OF  
AMERICA  
212 Worcester Street  
Wellesley Hills, Massachusetts 02181

AEROSOL SPECIALTIES  
1010 Atlantic Street  
Bridgeport, Connecticut 06605

AIRKEM, INC.  
Box 203—Commerce Road  
Carlstadt, New Jersey 07072

AIROSOL COMPANY, INC.  
525 N. 11th Street  
Neodesha, Kansas 66757

ALFORD HOME PRODUCTS  
P. O. Box 239  
Middlesex, North Carolina 27557

ALLEN-CROWL COMPANY  
P. O. Box 627  
Lima, Ohio 45802

ALLIED CHEMICAL CORPORATION  
Barrett Division  
P. O. Box 270  
Morristown, New Jersey 07960

ALLIED CHEMICAL CORPORATION  
Nitrogen Division  
40 Rector Street  
New York, New York 10006

ALLIED DRUG PRODUCTS  
COMPANY  
P. O. Box 871  
Chattanooga, Tennessee 37401

ALLIED MILLS, INC.  
P. O. Box 459  
Libertyville, Illinois 60048

ALL STAR MILLS, INC.  
134 S. Railroad Street  
Albemarle, North Carolina 28001

AMCHEM PRODUCTS, INC.  
Brookside Avenue  
Ambler, Pennsylvania 19002

AMERICAN CYANAMID COMPANY  
P. O. Box 400  
Princeton, New Jersey 08540

AMERICAN CYANAMID COMPANY  
Davis & Geck Division  
One Casper Street  
Danbury, Connecticut 06810

AMERICAN CYANAMID COMPANY  
Household Products Department  
859 Berdan Avenue  
Wayne, New Jersey 07470

AMERICAN MACHINERY  
CORPORATION  
P. O. Box 3228  
Orlando, Florida 32802

AMERICAN MINERAL SPIRITS  
COMPANY  
A Division of Union Oil Company of  
California  
3100 South Meacham Road  
Palatine, Illinois 60067

AMERICAN PAPER & PLASTIC  
PRODUCTS, INC.  
4425 N. Port Washington Road  
Milwaukee, Wisconsin 53212

AMERICAN STERILIZER COMPANY  
2424 W. 23rd Street  
Erie, Pennsylvania 16506

AMWAY CORPORATION  
7575 E. Fulton Road  
Ada, Michigan 49301

ANIMAL REPELLENTS, INC.  
980 Ellicott Street  
Buffalo, New York 14209

ANSUL COMPANY, THE  
One Stanton Street  
Marinette, Wisconsin 54143

APEX CHEMICAL COMPANY  
617 Salem Street  
Apex, North Carolina 27502

AQUATECH CORPORATION  
1220 S. Alvernon  
Tucson, Arizona 85711

ARBROOK  
Division of Ethicon, Inc.  
U. S. Highway No. 22  
Somerville, New Jersey 08876

ARMOUR AND COMPANY  
100 S. Wacker Drive  
Chicago, Illinois 60680

ARNOTT EXTERMINATORS, INC.  
353 Massachusetts Avenue  
Indianapolis, Indiana 46204

ASPDEN ASSOCIATES, INC.  
P. O. Box 1737  
Greensboro, North Carolina 27402

ATLA CHEMICAL COMPANY, INC.  
P. O. Box 22  
Summerfield, North Carolina 27358

AVRIL, INC.  
Third and Greenwich Streets  
Reading, Pennsylvania 19601

AYERST LABORATORIES, INC.  
685 Third Avenue  
New York, New York 10017

BARKER, MOORE & MEIN  
COMPANY, INC.  
P. O. Box 12  
Lebanon, Pennsylvania 17042

BARNES-HIND PHARMACEUTICAL  
INC.  
895 Kifer Road  
Sunnyvale, California 94086

BEN VENUE LABORATORIES, INC.  
270 Northfield Road  
Bedford, Ohio 44146

BERLOU MANUFACTURING  
COMPANY  
421 Monroe Street  
Marion, Ohio 43302

BEST ENTERPRISES, LTD.  
P. O. Box 2771  
Durham, North Carolina 27705

BIO-LAB, INC.  
627 E. College Avenue  
Decatur, Georgia 30031

BISSELL, INC.  
919 18th Street, N. W.  
Washington, D. C. 20006

BLACK LEAF PRODUCTS COMPANY  
6147 N. Broadway  
Chicago, Illinois 60626

BLACK MAGIC COMPANY  
P. O. Box 466  
Valdosta, Georgia 31601

BLUE CHEMICAL COMPANY, INC.  
P. O. Box 36  
Fairfax, South Carolina 29827

BLUE MAGIC COMPANY OF N. C.,  
INC.  
509 S. Lodge Street  
Wilson, North Carolina 27893

BOHLENDER PLANT CHEMICALS,  
INC.  
Tipp City, Ohio 45371

BONIDE CHEMICAL COMPANY,  
INC.  
382 N. Genesee Street  
Utica, New York 13502

BORDEN CHEMICAL COMPANY,  
THE  
Smith-Douglass Division  
P. O. Box 419  
Norfolk, Virginia 23501

BORDEN COMPANY, THE  
Tykor Products Division  
350 Madison Avenue  
New York, New York 10017

BORDERLAND PRODUCTS, INC.  
P. O. Box 366  
Buffalo, New York 14240

BOYER CHEMICAL COMPANY  
1611 Church Street  
Evanston, Illinois 60201

BOYLE-MIDWAY, INC.  
635 Third Avenue  
New York, New York 10017

BROWN MANUFACTURING  
COMPANY  
1-3 Church Street  
Le Roy, New York 14482

CALUMET & HELCA, INC.  
Calumet Division  
1 Calumet Avenue  
Calumet, Michigan 49913

CAPE FEAR CHEMICALS, INC.  
P. O. Box 695  
Elizabethtown, North Carolina 28337

CAPITOL CHEMICAL COMPANY  
5455 Butler Road  
Washington, D.C. 20016

CARAJON CHEMICAL COMPANY,  
INC.  
505 South Division  
Fremont, Michigan 49412

CARBOLA CHEMICAL COMPANY,  
INC.  
Natural Bridge, New York 13665

CARBOLINEUM WOOD PRESERVING  
COMPANY  
6683-N 40th Street  
Milwaukee, Wisconsin 53209

CARDINAL CHEMICALS COMPANY  
P. O. Box 11098  
Durham, North Carolina 27703

CARMEL CHEMICAL CORPORATION  
P.O. Box 406  
Westfield, Indiana 46074

CAROLINA CHEMICAL  
CORPORATION  
P. O. Box 70  
Wilson, North Carolina 27893

CAROLINA CHEMICALS, INC.  
P. O. Box 118  
West Columbia, South Carolina 29169

CAROLINA GARDEN & FARM  
SERVICE, INC.  
279 E. Main Avenue  
Gastonia, North Carolina 28052

CARTER'S DRUGS & SEEDS  
31 Barnard Street  
Savannah, Georgia 31402

CARTER INSECTICIDE &  
CHEMICAL COMPANY, INC.  
126 W. Southerland  
Wallace, North Carolina 28466

CENTER CHEMICAL COMPANY  
P. O. Box 1888  
Atlanta, Georgia 30301

CHAPMAN CHEMICAL COMPANY  
416 Brooks Road  
Memphis, Tennessee 38109

CHASE PRODUCTS COMPANY  
(and/or S & S Products Division)  
19th & Gardner Road  
Broadview, Illinois 60153

CHEMAGRO CORPORATION  
P. O. Box 4913  
Kansas City, Missouri 64109

CHEMICAL & EQUIPMENT SALES  
& SERVICE COMPANY (CESSCO,  
INC.)  
P. O. Box 12452  
Charlotte, North Carolina 28205

CHEMICAL INSECTICIDE  
CORPORATION  
30 Whitman Avenue  
Metuchen, New Jersey 08840

CHEMKARE CORPORATION  
4301 Hull Street  
Indianapolis, Indiana 46226



CHEMWAY CORPORATION  
Fairfield Road  
Wayne, New Jersey 07470

CHESTER CHEMICAL  
CORPORATION  
2732 Sixth Avenue, S.  
St. Petersburg, Florida 33712

CHEVRON CHEMICAL COMPANY  
Ortho Division  
940 Hensley  
Richmond, California 94801

CHIPMAN CHEMICAL COMPANY,  
INC.  
P. O. Box 1065  
Burlingame, California 94011

CIBA CORPORATION  
556 Morris Avenue  
Summit, New Jersey 07901

CLARKE & PROCTOR TURPENTINE  
COMPANY, INC.  
331-349 Worth Street  
Fayetteville, North Carolina 28301

CLASSIC PRODUCTS OF EDENTON  
219 W. Carteret Street  
Edenton, North Carolina 27932

CLEAN HOME PRODUCTS, INC.  
2805 Locust Street  
St. Louis, Missouri 63103

CLEARY CORPORATION, W. A.  
P. O. Box 749  
New Brunswick, New Jersey 08903

CLINE-BUCKNER, INC.  
439 E. Carlin Avenue  
Compton, California 90224

THE CLOROX COMPANY  
P. O. Box 599  
Cincinnati, Ohio 45201

COAHOMA CHEMICAL COMPANY,  
INC.  
P. O. Box 550  
Clarksdale, Mississippi 38614

COASTAL CHEMICAL  
CORPORATION  
P. O. Box 856  
Greenville, North Carolina 27834

COLGATE-PALMOLIVE COMPANY  
105 Hudson Street  
Jersey City, New Jersey 07302

COLONIAL PRODUCTS, INC.  
1830-10th Avenue, N.  
Lake Worth, Florida 33460

COLONIAL STORES, INC.  
P. O. Box 4358  
Atlanta, Georgia 30302

COMET MANUFACTURING  
CORPORATION  
1381 Dalon Drive, N. E.  
Atlanta, Georgia 30306

COMMON SENSE MANUFACTURING  
COMPANY, INC.  
1392 Niagara Street  
Buffalo, New York 14213

CONSOLIDATED PAINT & VARNISH  
CORPORATION  
East Ohio Building  
Cleveland, Ohio 44114

COOK CHEMICAL COMPANY  
2500 Summit  
Kansas City, Missouri 64141

COOPER, WILLIAM & NEPHEWS,  
INC.  
1909 N. Clifton Avenue  
Chicago, Illinois 60614

COPPER BRITE, INC.  
5147 W. Jefferson Boulevard  
Los Angeles, California 90016

COSSMAN & LEVINE, INC.  
1238 N. Highland Avenue  
Hollywood, California 90038

COUGHLAN, G. N. COMPANY, INC.  
29 Spring Street  
West Orange, New Jersey 07052

COWLEY, S. L. & SONS  
MANUFACTURING COMPANY,  
INC.  
708 W. McAlester  
Hugo, Oklahoma 74743

CRE-O-TOX CHEMICAL PRODUCTS  
COMPANY  
2670 Broad Avenue  
Memphis, Tennessee 38112

CURRAN, FRANK J. COMPANY  
8101 S. Lemont Road  
Downers Grove, Illinois 60515

CUTTER LABORATORIES, INC.  
4th & Parker Streets  
Berkeley, California 94710

DADANT & SONS, INC.  
Hamilton, Illinois 62341

DAIRY ASSOCIATION COMPANY,  
INC.  
Lyndonville, Vermont 05851

DALY-HERRING COMPANY  
Neuse Road  
Kinston, North Carolina 28501

DARWORTH, INC.  
660 Hopmeadow Street  
Simsbury, Connecticut 06070

DAUBERT CHEMICAL COMPANY  
2000 Spring Road  
Oak Brook, Illinois 60521

DAVIES-YOUNG SOAP COMPANY,  
THE  
P. O. Box 995  
Dayton, Ohio 45401

DAWSON CHEMICAL COMPANY  
1525 N. Post Oak Road  
Houston, Texas 77055

d-CON COMPANY, INC., THE  
90 Park Avenue  
New York, New York 10016

DE LAVAL SEPARATOR COMPANY,  
THE  
350 Dutchess Turnpike  
Poughkeepsie, New York 12602

DEL CHEMICAL CORPORATION  
W158 N9332 Nor-X-Way Avenue  
Menomonee Falls, Wisconsin 53051

DeSOTO CHEMICAL COMPANY, INC.  
P. O. Box 70  
Arcadia, Florida 33821



DESTRUXOL CORPORATION, LTD.  
1450 W. 228th Street  
Torance, California 90501

DETTLEBACH PESTICIDE  
CORPORATION  
4111 Peachtree Road, N. E.  
Atlanta, Georgia 30319

DeWITT CHEMICAL COMPANY  
P. O. Box 2015  
Atlanta, Georgia 30301

DIAMOND ALKALI COMPANY  
300 Union Commerce Building  
Cleveland, Ohio 44115

DILL COMPANY, INC., THE  
Washington & McKinley Avenues  
Norristown, Pennsylvania 19404

DIVERSEY CORPORATION, THE  
212 W. Monroe Street  
Chicago, Illinois 60606

DIXI CHEM OF GREENVILLE, INC.  
812 Hampton Avenue  
Greenville, South Carolina 29602

DIXIE PAINT & VARNISH  
COMPANY, INC.  
P. O. Box 580  
Brunswick, Georgia 31520

DOUGLAS CHEMICAL COMPANY  
P. O. Box 297  
Liberty, Missouri 64068

DOUGLAS CHEMICAL COMPANY,  
INC., THE  
P. O. Box 6541  
Richmond, Virginia 23230

DOW CHEMICAL COMPANY, THE  
825 E. Main Street  
Midland, Michigan 48640

DRACKETT PRODUCTS COMPANY,  
THE  
5020 Spring Grove Avenue  
Cincinnati, Ohio 45232

DRAGON CHEMICAL  
CORPORATION  
7033 Walrond Drive  
Roanoke, Virginia 24019

DUNCAN PRODUCTS COMPANY  
P. O. Box 69  
Columbus, Nebraska 68601

DUN WIN COMPANY & GOULDS  
DELL PRODUCTS  
136 Elm Street  
South Williamsport, Pennsylvania 17701

du PONT de NEMOURS & COMPANY,  
E. I.  
6054 Du Pont Building  
Wilmington, Delaware 19898

ECHOLS MANUFACTURING  
COMPANY  
4838 Woodall  
Dallas, Texas 75247

ECONOMICS LABORATORY, INC.  
Guardian Building  
Saint Paul, Minnesota 55101

EDWARDS-COUNCILOR COMPANY,  
INC.  
121 Colley Avenue  
Norfolk, Virginia 23510

ELANCO PRODUCTS COMPANY  
A Division of Eli Lilly and Company  
740 S. Alabama Street  
Indianapolis, Indiana 46206

ELECTROLUX CORPORATION  
235 E. 42nd Street  
New York, New York 10017

EMERY INDUSTRIES, INC.  
4300 Carew Tower  
Cincinnati, Ohio 45202

EMPIRE LABORATORIES  
700 Marietta Street, N. W.  
Atlanta, Georgia 30318

END-O-RAT COMPANY, THE  
Division of Hilliard Products, Inc.  
P. O. Box 115  
Lancaster, Pennsylvania 17604

EXCELL CHEMICAL PRODUCTS  
COMPANY  
4901 Umbria Street  
Philadelphia, Pennsylvania 19127

E-Z-FLO CHEMICAL COMPANY  
P. O. Box 337  
Aberdeen, North Carolina 28315

FCX, INC.  
P. O. Box 2419  
Raleigh, North Carolina 27602

F & W ENTERPRISES, INC.  
P. O. Box 15392  
Tampa, Florida 33614

FAESY & BESTHOFF, INC.  
143 River Road  
Edgewater, New Jersey 07020

FAIRFAX BIOLOGICAL  
LABORATORY  
P. O. Box 126  
Clinton Corners, New York 12514

FAR-BEST CORPORATION  
6715 McKinley Avenue  
Los Angeles, California 90001

FARMINGDALE GARDEN LABS,  
INC.  
136 Verdi Street  
Farmingdale, New York 11735

FARNAM COMPANIES, INC.  
613 N. Central Avenue  
Phoenix, Arizona 85001

FEDERAL CHEMICAL COMPANY,  
INC.  
2701 Winthrop Avenue  
Indianapolis, Indiana 46205

FERGUSON COMPANY, ALEX C.  
44 E. Oregon Avenue  
Philadelphia, Pennsylvania 19148

FONTANA PRODUCTS  
340 Durham Road  
Wake Forest, North Carolina 27587

FORSHAW CHEMICALS, INC.  
P. O. Box 6055  
Charlotte, North Carolina 28207

FRANKLIN MAINTENANCE  
PRODUCTS  
24600 S. Main  
Wilmington, California 90744

FREE FLOW FERTILIZER  
COMPANY  
P. O. Box 119  
Maumee, Ohio 43537

FRENCH COMPANY, THE R. T.  
One Mustard Street  
Rochester, New York 14609

FULTON CHEMICAL COMPANY  
P. O. Box 160  
Sumter, South Carolina 29151

GARRATT-CALLAHAN COMPANY  
111 Rollins Road  
Millbrae, California 94030

GASTON JOHNSTON CORPORATION  
24-64 45th Street  
Long Island City, New York 11103

GEIGY AGRICULTURAL  
CHEMICALS  
P. O. Box 430  
Ardsley, New York 10502

GEORGIA-CAROLINA OIL  
COMPANY  
P. O. Box 4304  
Macon, Georgia 31208

GETEM MANUFACTURING  
COMPANY, INC.  
1261 W. 42nd Street  
Norfolk, Virginia 23508

GLAMORENE PRODUCTS, INC.  
175 Entin Road  
Clifton, New Jersey 07014

GLAND-O-LAC COMPANY, THE  
P. O. Box 1178  
Omaha, Nebraska 68101

GLOVER COMPANY, INC., H. CLAY  
1001 Franklin Avenue  
Garden City, New York 11530

GRACE & COMPANY, W. R.  
Agricultural Products Division  
P. O. Box 357  
Cary, North Carolina 27511

GREAT LAKES BIOCHEMICAL  
COMPANY, INC.  
P. O. Box 1297  
Milwaukee, Wisconsin 53201

GREAT LAKES CHEMICAL  
CORPORATION  
753 Warner Building  
Washington, D. C. 20004

GREENLIFE PRODUCTS COMPANY  
INC.  
West Point, Virginia 23181

GREEN LIGHT COMPANY  
P. O. Box 6845  
San Antonio, Texas 78209

GREEVERS  
P. O. Box 416  
Chilhowie, Virginia 24319

GUARDIAN CHEMICAL COMPANY  
P. O. Box 1354  
Atlanta, Georgia 30301

GULF OIL CORPORATION  
P. O. Box 1519  
Houston, Texas 77001

GURMICO CHEMICALS, INC.  
P. O. Box 278  
Princeton, North Carolina 27569

GUSTAFSON MANUFACTURING  
COMPANY, INC.  
6600 S. County Road 18  
Hopkins, Minnesota 55343

GUTH CHEMICAL COMPANY  
332 S. Center Street  
Hillside, Illinois 60162

HANFORD PRODUCE COMPANY  
Division of Swift & Company  
Clarksville, Arkansas 72830

HAPPY JACK, INC.  
P. O. Box 475  
Snow Hill, North Carolina 28580

HARRIS MANUFACTURING  
COMPANY, INC. P. F.  
101 W. 8th Street  
North Little Rock, Arkansas 72114

HARRIS PRODUCTS COMPANY,  
INC.  
P. O. Box 4  
Miami Beach, Florida 33139

HARTZ MOUNTAIN PRODUCTS  
CORPORATION  
50 Cooper Square  
New York, New York 10003

HARVEY, WALTER L. & SONS  
Route No. 3  
Parker, Pennsylvania 16049

HELLER LABORATORIES, INC.  
A Division of B. Heller & Company  
Calumet Avenue & 40th Street  
Chicago, Illinois 60653

HENDRIX AND DAIL, INC.  
P. O. Box 695  
Greenville, North Carolina 27834

HERCULES INCORPORATED  
910 Market Street  
Wilmington, Delaware 19899

HESS & CLARK  
Division of Richardson-Merrell, Inc.  
7th & Orange Streets  
Ashland, Ohio 44805

HILL MANUFACTURING COMPANY  
1500 Jonesboro Road, S. E.  
Atlanta, Georgia 30315

HILLYARD SALES COMPANY  
(EASTERN)  
P. O. Box 909  
St. Joseph, Missouri 64502

HILO PRODUCTS, INC.  
1717 N. Highland Avenue  
Los Angeles, California 90028

HOFFMAN-TAFF, INC.  
P. O. Box 1246  
Springfield, Missouri 65805

HOLCOMB MANUFACTURING  
COMPANY, J. I.  
1601 Barth Avenue  
Indianapolis, Indiana 46207

HOLLAND-RANTOS COMPANY, INC.  
393 Seventh Avenue  
New York, New York 10001



HOLLINGSHEAD CORPORATION,  
R. M.  
840 Cooper Street  
Camden, New Jersey 08102

HOLLYWOOD TERMITE CONTROL  
COMPANY  
2221 Poplar Boulevard  
Alhambra, California 91802

HOME DRUG COMPANY  
4300 Peterson Avenue  
Chicago, Illinois 60646

HOOKER CHEMICAL  
CORPORATION  
P. O. Box 344  
Niagara Falls, New York 14302

HOPKINS AGRICULTURAL  
CHEMICAL COMPANY  
P. O. Box 584  
Madison, Wisconsin 53701

HORIZON INDUSTRIES  
CORPORATION  
12807 Larchmere Road  
Cleveland, Ohio 44120

HOT SHOT QUALITY PRODUCTS,  
INC.  
701 N. Main Street  
Memphis, Tennessee 38101

HOUSTON COMPANY, SAM  
P. O. Box 662  
Talladega, Alabama 35160

HOUSE OF HOUSTON, INC.  
321 Summer Street  
Boston, Massachusetts 02210

HOWERTON GOWEN CHEMICALS,  
INC.  
P. O. Box 247  
Roanoke Rapids, North Carolina 27870

HUGE' COMPANY, INC., THE  
P. O. Box 9502  
St. Louis, Missouri 63112

HUMBLE OIL & REFINING  
COMPANY  
P. O. Box 2180  
Houston, Texas 77001

HUMCO LABORATORY, INC.  
1008 Whitaker Street  
Texarkana, Texas 75501

HUNT & COMPANY, INC.  
1016 Raleigh Street  
Greensboro, North Carolina 27405

HYDROPONIC CHEMICAL  
COMPANY, INC.  
P. O. Box 97-C  
Copley, Ohio 44321

INDEPENDENT GROCERS  
ALLIANCE DISTRIBUTING  
COMPANY  
Chicago, Illinois

INDUSTRIAL FUMIGANT COMPANY  
923 State Line  
Kansas City, Missouri 64101

INTERNATIONAL DISTRIBUTORS  
P. O. Box 377  
Memphis, Tennessee 38101

INTERNATIONAL LUBRICANT  
CORPORATION  
P. O. Box 51118  
New Orleans, Louisiana 70150

IONAC CHEMICAL COMPANY  
Birmingham, New Jersey 08011

IREDELL CHEMICAL COMPANY  
P. O. Box 1556  
Statesville, North Carolina 28677

IRWIN-WILLERT COMPANY  
Dale Chemical Company Division  
4044 Park Avenue  
St. Louis, Missouri 63110

J & F MANUFACTURING COMPANY  
P. O. Box 40205  
Houston, Texas 77040

JOHNSON NURSERIES  
P. O. Box 411  
Dexter, New York 13634

JOHNSON & SON, INC., S. C.  
1525 Howe Street  
Racine, Wisconsin 53403

KAISER AGRICULTURAL  
CHEMICALS  
P. O. Box 246  
Savannah, Georgia 31402

KAY CHEMICAL COMPANY  
131 W. High Street  
High Point, North Carolina 27261

KENDALL COMPANY, THE  
Health Care Division  
309 W. Jackson Boulevard  
Chicago, Illinois 60606

KERR-McGEE CHEMICAL  
CORPORATION  
P. O. Box 314  
Charleston, South Carolina 29402

KING CHEMICAL COMPANY  
2342 S. Lauderdale Street  
Memphis, Tennessee 38106

KING COMPANY, JAMES W.  
6420 Elwood Avenue  
Jacksonville, Florida 32208

KING RESEARCH, INC.  
114-12th Street  
Brooklyn, New York 11215

KLENZADE PRODUCTS  
Division of Economics Laboratory, Inc.  
P. O. Box 1020  
Beloit, Wisconsin 53511

KOPPERS COMPANY, INC.  
801 Koppers Building  
Pittsburgh, Pennsylvania 15219

KROGER COMPANY, THE  
1240 State Avenue  
Cincinnati, Ohio 45204

LABCO PET PRODUCTS COMPANY  
285 Washington Street  
Somerville, Massachusetts 02143

LAWN-A-MAT CHEMICAL &  
EQUIPMENT COMPANY  
Mineola, L. I., New York 11715



LAZARUS LABORATORIES, INC.  
42-16 West Street  
Long Island City, New York 11101

LEGEAR, INC., DR.  
4161 Beck Avenue  
St. Louis, Missouri 63116

LEHN & FINK PRODUCTS  
Division of Sterling Drug, Inc.  
90 Park Avenue  
New York, New York 10016

LINCK DIVISION, O. E.  
Walco-Linck Corporation  
1234 State Highway 46  
Clifton, New Jersey 07015

McCALL MANUFACTURING  
COMPANY, INC.  
P. O. Box 145  
Jasper, Florida 32052

McCORMICK & CO., INC.  
414 Light Street  
Baltimore, Maryland 21202

McKESSON LABORATORIES  
P. O. Box 548  
Bridgeport, Connecticut 06602

MABEX COMPANY, THE  
Umbria & Lemonte Streets  
Philadelphia, Pennsylvania 19127

MAINTENANCE SUPPLY SERVICE  
CORPORATION  
P. O. Box 498  
Huntersville, North Carolina 28078

MALLINCKRODT CHEMICAL  
WORKS  
P. O. Box 5439  
St. Louis, Missouri 63160

MARK CHEMICAL COMPANY  
190 N. Cypress  
Orange, California 92666

MARTIN, C. J. & SONS, INC.  
1181 Airport Boulevard  
Austin, Texas 78702

MASTER PRODUCTS COMPANY  
P. O. Box 531  
Fayetteville, North Carolina 28302

MEADOWS CHEMICALS, INC.  
1801 Falmouth Avenue  
New Hyde Park, New York 11040

MEDICAL SUPPLY COMPANY  
1027 W. State Street  
Rockford, Illinois 61101

MEHERRIN AGRICULTURAL &  
CHEMICAL COMPANY  
Severn, North Carolina 27877

MERCK & COMPANY, INC.  
Rahway, New Jersey 07065

MEREDITH SWIMMING POOL  
COMPANY  
815 Friendly Road  
Greensboro, North Carolina 27410

MICHIGAN CHEMICAL  
CORPORATION  
2 N. Riverside Plaza  
Chicago, Illinois 60606

MIDLAND LABORATORIES  
210-220 Jones Street  
Dubuque, Iowa 52001

MILLER CHEMICAL &  
FERTILIZER CORPORATION  
3006 W. Cold Spring Lane  
Baltimore, Maryland 21215

MILLS-PEARSON CORPORATION  
Dianol Division  
P. O. Box 10968  
St. Petersburg, Florida 33733

MOBIL CHEMICAL COMPANY  
Industrial Chemicals Division  
401 E. Main Street  
Richmond, Virginia 23208

MOMAR, INC.  
1830 Ellsworth Industrial Drive, N. W.  
Atlanta, Georgia 30318

MONA INDUSTRIES, INC.  
65-75 E. 23rd Street  
Paterson, New Jersey 07524

MONSANTO COMPANY  
800 N. Lindbergh Boulevard  
St. Louis, Missouri 63166

MORTON CHEMICAL COMPANY  
110 N. Wacker Drive  
Chicago, Illinois 60606

MOTOMCO, INC.  
89 Terminal Avenue  
Clark, New Jersey 07066

MUTUAL PRODUCTS COMPANY  
509 N. Fourth Street  
Minneapolis, Minnesota 55401

NALCO CHEMICAL COMPANY  
6216 W. 66th Place  
Chicago, Illinois 60638

NATIONAL CHEMSEARCH  
CORPORATION  
P. O. Box 217  
Irving, Texas 75060

NATIONAL HOG MEDICINE  
COMPANY  
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Raleigh, North Carolina 27602

NIAGARA CHEMICAL DIVISION  
FMC Corporation  
P. O. Box 1709  
Jacksonville, Florida 32201

NIP-CO MANUFACTURING, INC.  
200 Main Street  
New Rochelle, New York 10802

NOK-OUT-BAM CHEMICAL  
COMPANY, INC.  
P. O. Box 466  
Edgefield, South Carolina 29824

NORCLIFF LABORATORIES  
P. O. Box 471  
Fairfield, Connecticut 06433

NORDA ESSENTIAL OIL &  
CHEMICAL COMPANY, INC.  
475 Tenth Avenue  
New York, New York 10018

NOTT MANUFACTURING COMPANY,  
INC.  
Pleasant View Road  
Pleasant Valley, New York 12569

NUTRILITE PRODUCTS, INC.  
5600 Beach Boulevard  
Buena Park, California 90620

OAKWOOD MEDICAL CENTER, INC.  
6711 Kingston Pike  
Knoxville, Tennessee 37919

OLIN MATHIESON CHEMICAL  
CORPORATION  
P. O. Box 1665  
Augusta, Georgia 30903  
New York, New York 10022

ONE-SPOT COMPANY  
P. O. Box 280  
Jessup, Maryland 20794

OPITZ, INC., JOHN  
50-14 39th Street  
Long Island City, New York 11104

PAPER PRODUCTS,  
INCORPORATED  
P. O. Box 5158  
Long Beach, California 90805

PARA INDUSTRIES, INC.  
54 Pennsylvania Avenue  
South Kearny, New Jersey 07032

PARK CHEMICAL COMPANY, INC.  
P.O. Box 196  
College Park, Georgia 30022

PARKE DAVIS & COMPANY  
Joseph Campau at the River  
Detroit, Michigan 48232

PARRAMORE & GRIFFIN SEED  
COMPANY, INC.  
105 Boone Dairy Road  
Valdosta, Georgia 31601

PAXTON ENTERPRISES  
P. O. Drawer A  
Palacios, Texas 77465

PEARSON & COMPANY  
P. O. Box 431  
Mobile, Alabama 36601

PEELE COMPANY, INC., W. R.  
P. O. Box 275  
Clayton, North Carolina 27520

PENICK & COMPANY, S. B.  
100 Church Street  
New York, New York 10007

PENN CORPORATION  
P. O. Box 191  
Butler, Pennsylvania 16001

PENNSALT CHEMICALS  
CORPORATION  
3 Penn Center Plaza  
Philadelphia, Pennsylvania 19102

PENNSALT CHEMICALS  
CORPORATION  
Agricultural Chemicals Division  
2901 Taylor Way  
Tacoma, Washington 98401

PENNSYLVANIA ENGINEERING  
COMPANY  
1107-21 N. Howard Street  
Philadelphia, Pennsylvania 19123

PENNSYLVANIA REFINING  
COMPANY  
P. O. Box 671  
Butler, Pennsylvania 16001

PESTAWAY COMPANY  
Route 1  
Raleigh, North Carolina 27609

PEST-GUARD PRODUCTS, INC.  
4838 Woodall  
Dallas, Texas 75247

PET CHEMICALS, INC.  
P. O. Box 656  
Miami Springs, Florida 33166

PET'M LABORATORIES  
1500 Spring Garden Street  
Philadelphia, Pennsylvania 19101

PFIZER & COMPANY, INC., CHAS.  
235 E. 42nd Street  
New York, New York 10017

PHELPS DODGE REFINING  
CORPORATION  
300 Park Avenue  
New York, New York 10022

PIC CORPORATION  
28-30 Canfield Street  
Orange, New Jersey 07050

PIONEER MANUFACTURING  
COMPANY, THE  
3053 E. 87th Street  
Cleveland, Ohio 44104

PITTSBURGH PLATE GLASS  
COMPANY  
One Gateway Center  
Pittsburgh, Pennsylvania 15222

PLANT MARVEL LABORATORIES  
624 W. 119th Street  
Chicago, Illinois 60628

PLANTERS CHEMICAL  
CORPORATION  
3111 Virginia Beach Boulevard  
Norfolk, Virginia 23516

PLANT PRODUCTS CORPORATION  
Kennedy Avenue  
Blue Point, L. I., New York 11715

PLOUGH, INC.  
3022 Jackson Avenue  
Memphis, Tennessee 38112

POCATELLO SUPPLY DEPOT  
Pocatello, Idaho 83201

POLK MILLER PRODUCTS  
CORPORATION  
2007 N. Hamilton Street  
Richmond, Virginia 23230

POPLIN CHEMICAL COMPANY  
P. O. Box 300  
Statesville, North Carolina 28677

PRATER WHOLESALE COMPANY,  
E. H.  
Route No. 3  
Seneca, South Carolina 29678

PRATT COMPANY, B. G.  
204 21st Avenue  
Paterson, New Jersey 07509

PRIMROSE OIL COMPANY, INC.  
11444 Denton Drive  
Dallas, Texas 75229



- PROCTOR & GAMBLE COMPANY,  
THE  
P. O. Box 599  
Cincinnati, Ohio 45201
- PUREX CORPORATION, LTD.  
24600 S. Main Street  
Wilmington, California 90744
- RAILSTON PURINA COMPANY  
835 S. Eighth Street  
St. Louis, Missouri 63199
- RAWLEIGH COMPANY, THE W. T.  
223-225 E. Main Street  
Freeport, Illinois 61032
- REARDON LABORATORIES, INC.,  
W. G.  
330 N. Main Street  
Port Chester, New York 10573
- REEFER-GALLER INCORPORATED  
105 Hudson Street  
Jersey City, New Jersey 07302
- REICHHOLD CHEMICALS, INC.  
Southern Division  
Tuscaloosa, Alabama 35401
- RELIABLE CHEMICAL COMPANY,  
INC.  
10 Moth Ball Terrace  
Passaic, New Jersey 07056
- RENUZIT HOME PRODUCTS  
COMPANY  
3018 Market Street  
Philadelphia, Pennsylvania 19104
- REXAIR, INC.  
c/o The Ottawa Chemical Company  
700 N. Wheeling Street  
Toledo, Ohio 43605
- REXALL DRUG AND CHEMICAL  
COMPANY  
8480 Beverly Boulevard  
Los Angeles, California 90054
- RIGO MANUFACTURING COMPANY  
P. O. Box 1188  
Nashville, Tennessee 37202
- RINGER CORPORATION, JUDD  
6860 Flying Cloud Drive  
Eden Prairie, Minnesota 55343
- RODENT CONTROL FUND  
Agricultural Experiment Station  
Lafayette, Indiana 47907
- ROHM & HAAS COMPANY  
Independence Mall West  
Philadelphia, Pennsylvania 19105
- ROTENONE PRODUCTS COMPANY  
110 Eaton Place  
East Orange, New Jersey 07017
- ROXO IMPORTS, INC.  
9 E. 38th Street  
New York, New York 10016
- ROYSTER CHEMICAL COMPANY  
S. Fields Street  
Farmville, North Carolina 27828
- RUST-OLEUM CORPORATION  
2425 Oakton Street  
Evanston, Illinois 60204
- SALISBURY LABORATORIES  
INC.  
500 Gilbert Street  
Charles City, Iowa 50616
- SANFAX CORPORATION  
P. O. Box 604  
Atlanta, Georgia 30301
- SARANDOS DEODORANT COMPANY,  
INC.  
6906 Ashcroft  
Houston, Texas 77036
- SCIENCE PRODUCTS COMPANY,  
INC.  
2460 N. Greenview Avenue  
Chicago, Illinois 60614
- SCOTT & SONS COMPANY, O. M.  
Marysville, Ohio 42040
- SEACOAST LABORATORIES, INC.  
257 Highway 18  
East Brunswick, New Jersey 08816
- SEARS, ROEBUCK & COMPANY  
925 S. Homan Avenue  
Chicago, Illinois 60607
- SELIG CHEMICAL INDUSTRIES,  
INC. THE  
840 Selig Drive, S. W.  
Atlanta, Georgia 30336
- SENETRETT CHEMICAL COMPANY,  
INC.  
631 Leffingwell Avenue  
St. Louis, Missouri 63122
- SEXTON & COMPANY, JOHN  
150 Thames Road  
Forest Park, Georgia 30050
- SHELL CHEMICAL COMPANY  
Agricultural Chemicals Division  
110 W. 51st Street  
New York, New York 10020
- SHELL OIL COMPANY  
50 W. 50th Street  
New York, New York 10020
- SHEPARD CHEMICAL WORKS, INC.  
Highway 74 East  
Wilmington, North Carolina 28401
- SHERWIN-WILLIAMS COMPANY,  
THE  
P. O. Box 269  
Bound Brook, New Jersey, 08805
- SINGLETARY AND COMPANY, INC.  
143 S. Washington Street  
Rocky Mount, North Carolina 27801
- SMITH SEEDS, INC.  
315 Lynn Street  
Danville, Virginia 24541
- SMITH SPECIALTIES COMPANY,  
T. W.  
P. O. Box 5146  
Charlotte, North Carolina 28205
- SMITH, WILLIAM E.  
Route No. 2  
Wendell, North Carolina 27591
- SOUTHERN AGRICULTURAL  
CHEMICALS, INC.  
P. O. Box 527  
Kingstree, South Carolina 29556



SOUTHERN AGRICULTURAL  
INSECTICIDES, INC.  
P. O. Box 85  
Boone, North Carolina 28607

SOUTHERN NITROGEN COMPANY  
INC.  
P. O. Box 246  
Savannah, Georgia 31402

SOUTHERN TESTING & RESEARCH  
LABS, INC.  
607 Park Avenue  
Wilson, North Carolina 27893

SPECIAL SALES PRODUCTS  
COMPANY  
8480 Beverly Boulevard  
Los Angeles, California 90048

SPINDLE CITY CHEMICAL  
COMPANY  
P. O. Box 444  
Sumter, South Carolina 29150

SPRAYWAY, INC.  
7644 S. Vincennes Avenue  
Chicago, Illinois 60620

STANDARD NAPHTHALENE  
PRODUCTS COMPANY  
1035 Belleville Turnpike  
Kearny, New Jersey 07032

STANDARD PACKAGING  
CORPORATION  
200 E. 42nd Street  
New York, New York 10017

STANDARD SPRAY & CHEMICAL  
COMPANY  
P. O. Box 63  
Lakeland, Florida 33802

STARR COMPANY, INC.  
P. O. Box 1031  
Petersburg, Virginia 23803

STAUFFER CHEMICAL COMPANY  
P. O. Box 5388  
Tampa, Florida 33605

STEARNS' ELECTRIC PASTE  
COMPANY  
220 S. State Street  
Chicago, Illinois 60604

STEPHENSON CHEMICAL  
COMPANY, INC.  
2444 West Point Road  
College Park, Georgia 20044

STERLING COMPANY, INC., THE  
2801-05 Locust Street  
St. Louis, Missouri 63103

STERNO, INC.  
105 Hudson Street  
Jersey City, New Jersey 07302

STERWIN CHEMICALS, INC.  
90 Park Avenue  
New York, New York 10016

SUDBURY LABORATORY  
Dutton Road  
Sudbury, Massachusetts 01776

SUWANNEE DRUG COMPANY  
P. O. Box 128  
Newberry, Florida 32669

SWEENEY, MFR., INC., W. R.  
340 S. Main Street  
Salisbury, Missouri 65281

SWIFT & COMPANY  
Agricultural Chemical Division  
P. O. Box 210  
Wilmington, North Carolina 28401  
P. O. Box 7537  
Norfolk, Virginia 23515

TAVOLEK LABORATORIES  
Division of Johnson & Johnson  
501 George Street  
New Brunswick, New Jersey 08903

TENNECO CHEMICALS, INC.  
300 E. 42nd Street  
New York, New York 10017

TENNESSEE CORPORATION  
P. O. Box 2205  
Atlanta, Georgia 30301

TESCO CHEMICALS, INC.  
445 Bishop Street, N. W.  
Atlanta, Georgia 30318

TEXAS REFINERY CORPORATION  
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Fort Worth, Texas 76101

THOMPSON CHEMICALS  
CORPORATION  
3028 Locust Street  
St. Louis, Missouri 63103

THOMPSON-HAYWARD CHEMICAL  
COMPANY  
P. O. Box 2383  
Kansas City, Kansas 66110

THURON INDUSTRIES, INC.  
Starbar Division  
12200 Denton Drive  
Dallas, Texas 75234

TRIANGLE CHEMICAL COMPANY  
206 Lower Elm Street  
Macon, Georgia 31208

TOYOMENKA, INC.  
Two Broadway  
New York, New York 10004

TURCO PRODUCTS, INC.  
24600 S. Main Street  
Wilmington, California 90744

UNION CARBIDE CORPORATION  
270 Park Avenue  
New York, New York 10017

UNION CARBIDE CORPORATION  
Consumer Products Division  
270 Park Avenue  
New York, New York 10017

UNITED CO-OPERATIVES, INC.  
111 Glamorgan Street  
Alliance, Ohio 44601

U. S. BORAX & CHEMICAL  
CORPORATION  
3075 Wilshire Boulevard  
Los Angeles, California 90005

U. S. PLYWOOD CORPORATION  
Division of U. S. Plywood—Champion  
Papers, Inc.  
2305 Superior Avenue  
Kalamazoo, Michigan 49003

- U. S. RUBBER COMPANY  
Chemical Division  
Elm Street  
Naugatuck, Connecticut 06770
- UPJOHN COMPANY, THE  
7171 Portage Road  
Kalamazoo, Michigan 49001
- VANDERBILT COMPANY, INC., R. T.  
230 Park Avenue  
New York, New York 10017
- VANELBA CORPORATION  
P. O. Box 1231  
Charlottesville, Virginia 22902
- VAPOR PRODUCTS COMPANY  
5230 S. Orange Avenue  
Orlando, Florida 32806
- VARLEY & SONS, INC., JAMES  
1200 Switzer Avenue  
St. Louis, Missouri 63147
- VELSICOL CHEMICAL CORPORATION  
341 E. Ohio Street  
Chicago, Illinois 60611
- VESTAL LABORATORIES  
Division of W. R. Grace & Company  
4963 Manchester Avenue  
St. Louis, Missouri 63110
- VIKON CHEMICAL COMPANY, INC.  
P. O. Box 277  
Elon College, North Carolina 27244
- VINELAND CHEMICAL COMPANY  
West Wheat Road  
Vineland, New Jersey 08360
- VINELAND LABORATORIES, INC.  
East Landis Avenue  
Vineland, New Jersey 08360
- VIRGINIA CHEMICALS, INC.  
West Norfolk, Virginia 23703
- VULCAN MATERIALS COMPANY  
P. O. Box 545  
Wichita, Kansas 67201
- WAKE COUNTY HEALTH DEPARTMENT  
P. O. Box 949  
Raleigh, North Carolina 27602
- WALGREEN LABORATORIES, INC.  
4300 Peterson Avenue  
Chicago, Illinois 60646
- WALLACE & TIERNAN, INC.  
P. O. Box 178  
East Orange, New Jersey, 07019
- WASHBURN-PUREX  
2244 Elston Avenue  
Chicago, Illinois 60614
- WATKINS PRODUCTS, INC.  
150 Liberty Street  
Winona, Minnesota 55987
- WEEVIL-CIDE COMPANY, THE  
P. O. Box 1057  
Salina, Kansas 67401
- WEST CHEMICAL PRODUCTS, INC.  
42-16 West Street  
Long Island City, New York 11101
- WESTCHESTER VETERINARY PRODUCTS  
Division of Combe Chemical, Inc.  
180 Mamaroneck Avenue  
White Plains, New York 10601
- WESTON PRODUCTS COMPANY  
330 W. Salisbury Street  
Asheboro, North Carolina 27203
- WHITMIRE RESEARCH LABORATORIES, INC.  
339 S. Vandeventer Avenue  
St. Louis, Missouri 63110
- WHITMOYER LABORATORIES, INC.  
19 N. Railroad Street  
Myerstown, Pennsylvania 17067
- WILDLIFE SERVICES FUND  
University of Massachusetts  
Amherst, Massachusetts 01002
- WILMAR, INC.  
224 Foster Avenue  
Charlotte, North Carolina 28203
- WILSON EXTERMINATING COMPANY, INC.  
401 West End Boulevard  
Winston-Salem, North Carolina 27102
- WILSON PEST CONTROL COMPANY, INC.  
401 West End Boulevard  
Winston-Salem, North Carolina 27102
- WINN CHEMICAL COMPANY, INC.  
P. O. Box 612  
Anniston, Alabama 36201
- WIRTHMORE FEEDS, INC.  
343 Winter Street  
Waltham, Massachusetts 02154
- WOODBURY CHEMICAL COMPANY  
P. O. Box 2529  
Orlando, Florida 32802
- WOODLETS, INC.  
45 Carroll Street  
Buffalo, New York 14203
- WOOD-RIDGE CHEMICAL CORPORATION  
Park Place East  
Wood-Ridge, New Jersey 07075
- WOOD TREATING CHEMICALS COMPANY  
5137 Southwest Avenue  
St. Louis, Missouri 63110
- WOOLFOLK CHEMICAL WORKS, LTD.  
E. Main Street  
Fort Valley, Georgia 31030
- WRAP-ON COMPANY, INC.  
341 W. Superior Street  
Chicago, Illinois 60610
- WYANDOTTE CHEMICALS CORPORATION  
1609 Biddle Avenue  
Wyandotte, Michigan 48192
- WYATT-QUARLES SEED COMPANY  
U. S. 70 East  
Raleigh, North Carolina 27602
- WYETH LABORATORIES  
Division of American Home Products Corporation  
P. O. Box 831  
Paoli, Pennsylvania 19301
- YALE CHEMICAL COMPANY  
P. O. Box 715  
Nashville, Tennessee 37202
- ZEP MANUFACTURING COMPANY  
P. O. Box 2015  
Atlanta, Georgia 30301



# N. C. Aerial Crop Dusting Law and Regulations

The North Carolina Aerial Crop-Dusting Law, enacted by the General Assembly of 1953, has passed through its fourteenth year of enforcement. Its purposes are to protect public health and welfare, to bring improved order in the aerial dusting industry and to eliminate practices which were not in the best interest of the industry or those whom it serves. Marked progress has been made, but there is much yet to be accomplished. The North Carolina Aerial Applicators Association and other members of the industry sponsored the law and cooperate in its enforcement.

The law and the regulations promulgated thereunder, in summary, require the registration and licensing of those who engage in the custom application of pesticides by aircraft in this state. Qualifications for license require adequate knowledge of the proper use and application of pesticides, the dangers involved and precautions necessary in their application.

Annual renewal of all licenses is required. The validity of any license is further restricted to the period of time that coverage by liability bond or insurance for damage by aircraft is in force. The minimum liability coverage is \$5,000.00 for property damage, \$10,000.00 for personal injury, and \$20,000.00 for any one accident.

Licenses are of two types: Contractors—who contract for the airplane application of pesticides; and Applicators or aviators—those who do the application work. An individual, upon qualification, may procure both licenses. Applicator's licenses, among other things, are contingent on Federal Aviation Agricultural Operator's Certificate.

Licenses may be suspended or revoked if licensees are no longer qualified, for fraudulent, faulty, careless or negligent operations, or for other failure to comply with the requirements of the law. They are automatically nullified upon cancellation or expiration of liability coverage.

The law and regulations are given in the succeeding pages.

## N. C. AERIAL CROP DUSTING LAW

### CHAPTER 106, N. C. GENERAL STATUTES

#### Article 4B, Aircraft Application of Pesticides

**§106-65.13. Definitions.** For the purposes of this article.

(1) The term "aircraft" means any contrivance now known or hereafter invented, used or designed for navigation of, or flight in, the air.

(2) The term "Board of Agriculture" means the North Carolina Board of Agriculture.

(3) The term "Commissioner" means the Commissioner of Agriculture.

(4) The term "custom application of pesticides" means any application of pesticides by aircraft.



(5) The term "fungi" means all non-chlorophyll-bearing thallophytes (that is, all non-chlorophyll-bearing plants of a lower order than mosses and liverworts), as, for example, but not limited to, rusts, smuts, mildews, molds, yeasts, and bacteria, except those on or in living man or other animals.

(6) The term "fungicide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating fungi or plant disease.

(7) The term "herbicide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any weed.

(8) The term "insect" means any of the numerous small invertebrate animals generally having the body more or less obviously segmented, for the most part belonging to the class Insecta, comprising six-legged, usually winged forms, as, for example but not limited to, beetles, bugs, bees, and flies, and to other allied classes of arthropods whose members are wingless and usually have more than six legs, as, for example, but not limited to, spiders, mites, ticks, centipedes, and wood lice.

(9) The term "insecticide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any insects which may be present in any environment whatsoever.

(10) The term "person" means any individual, firm, partnership, association, corporation, company, joint stock association, or body politic, or any organized group of persons whether incorporated or not; and includes any trustee, receiver, assignee, or other representative thereof.

(11) The term "pesticide" or "economic poison" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any insects, rodents, fungi, bacteria, weeds, or other forms of plant or animal life or viruses, except viruses on or in living man or other animals, which the Commissioner shall declare to be a pest.

(12) The term "weed" means any plant or plant part which grows where not wanted. (1953, c. 1333.)

#### **§106-65.14. Licenses.**

(a) It shall be unlawful for any person to engage in custom application of pesticides within the State at any time without a license issued by the Commissioner. Application for a license shall be made to the Commissioner and each application shall contain information regarding the applicant's qualifications and proposed operations and such other relevant matters as may be required pursuant to regulations promulgated by the Board of Agriculture.

(b) The Commissioner may require the applicant to show, upon examination, that he possesses adequate knowledge concerning the proper use and application of pesticides, and the dangers involved and precautions to be taken in connection with their application. If the applicant is other than an individual, the applicant shall designate an officer, member, or

technician of the organization to take the examination, such designee to be subjected to the approval of the Commissioner. If the extent of the applicant's operations warrant it, the Commissioner may require more than one officer, member or technician to take the examination.

(c) If the Commissioner finds the applicant qualified, the Commissioner shall issue a license, which shall authorize the licensee to perform custom application of pesticides within the State. The license may restrict the applicant to the use of a certain type or types of materials if the Commissioner finds that the applicant is qualified to use only such type or types. If a license is not issued as applied for, the Commissioner shall inform the applicant in writing of the reasons therefor. All licenses issued under this article shall expire on December 31 of each year and may be renewed upon the filing of a new application therefor.

(d) The Commissioner may suspend, pending inquiry, for not longer than ten days after opportunity for a hearing, may revoke, or modify the provisions of any license issued under this section, if he finds as a fact that the licensee is no longer qualified or has engaged in fraudulent business practices in the custom application of pesticides, or has made any custom application in a faulty, careless, or negligent manner, or has violated any of the provisions of this article or regulations made thereunder.

(e) The Commissioner may require, under such rules and regulations as may be promulgated under this article, from each applicant a liability bond against damage to person or property by aircraft and a reasonable performance bond with sufficient surety satisfactory to the Commissioner, which performance bond is to secure the performance of contractual obligations of the licensee with respect to custom application of pesticides. Any person injured by the breach of any such obligation or any person damaged by such aircraft shall be entitled to sue on the bond in his own name in any court of competent jurisdiction to recover the damages he may have sustained.

(f) Any person aggrieved by any action of the Commissioner may within ten days after notice thereof request a review of said action by the Board of Agriculture. If no request for review is so made, the decision of the Commissioner shall be final. If a review is so requested, the Board of Agriculture shall promptly review the action of the Commissioner and either affirm or over-rule his action. If the Board of Agriculture affirms the Commissioner, it shall find the facts of the case and the aggrieved person may within thirty days after notice thereof appeal to the Superior Court of the county in which such person resides or to the Superior Court of Wake County and the matter may be heard in or out of chambers. Notice of the appeal shall be served on the Commissioner and within ten days thereafter the Commissioner shall certify and file in the court to which the appeal is taken a transcript of any record pertaining thereto, including a transcript of evidence received. The court shall have jurisdiction to affirm, set aside or modify the action of the Board of Agriculture, **provided**, that the findings of fact as made by said Board, if supported by evidence, shall be conclusive.



Any license which has been suspended or revoked by the Commissioner or Board of Agriculture shall remain suspended or revoked until the laws, and regulations of the Board of Agriculture, have been complied with or until the decision or action of said Commissioner or Board have been set aside by court action. (1953, c. 1933.)

**§106-65.15. Regulations, materials and methods of application.**—The Board of Agriculture, after public hearing, may adopt regulations prohibiting the use of materials or methods in custom application of pesticides to the extent necessary to protect health or property and may make such other regulations as it may deem necessary to carry out the provisions of this article. **Provided, however,** such regulations shall not be inconsistent with the regulations issued by this State or by the Federal Government respecting safety in air navigation or operation of aircraft and before issuing any regulations directly related to any matter within the jurisdiction of any other official of this state, the Commissioner shall consult with that official with reference thereto. (1953, c. 1333.)

**§106-65.16. Reports.**—The Board of Agriculture may by regulation require any licensee to maintain records and furnish reports giving information with respect to particular applications of pesticides and such other relevant information as the Board of Agriculture may deem necessary. (1953, c. 1333.)

**§106-65.17. Information.**—The Commissioner may, in cooperation with the North Carolina Agricultural Experimental Station, publish information regarding injury which may result from improper application or handling of pesticides and the methods and precautions designed to prevent such injury. (1953, c. 1333.)

**§106-65.18. Penalties.**—Any person violating the provisions of this article or the regulations issued hereunder shall be guilty of a misdemeanor and upon conviction shall be fined or imprisoned or both in the discretion of the court. (1953, c. 1333.)

**§106-65.19. Enforcement.**—For the purpose of carrying out the provisions of this article the Commissioner may enter upon any public or private premises at reasonable times in order to have access for the purpose of inspecting any aircraft or materials subject to this article. (1953, c. 1333.)

**§106-65.20. Delegation of Duties.**—The functions vested in the Commissioner by this article may be delegated by him to such employees of the Department of Agriculture or other qualified persons as the Commissioner may from time to time designate for such purposes. (1953, c. 1333.)

**§106-65.21. Cooperation.**—The Commissioner may cooperate with any other agency of this State or its sub-divisions or with any agency of any other State or of the Federal Government for the purpose of carrying out the provisions of this article and of securing uniformity of regulations. (1953, c. 1333.)

## **RULES, REGULATIONS, DEFINITIONS AND STANDARDS**

### **CHAPTER XII**

#### **Application of Pesticides By Aircraft**

##### **ARTICLE 1. APPLICATION OF PESTICIDES BY AIRCRAFT**

**§12-1. Application for license.**—Application for a license to engage in the custom application of pesticides by aircraft shall be made to the Commissioner of Agriculture upon forms prescribed for that purpose and furnished by the Department of Agriculture.

**§12-2. Classes of licenses.**—There shall be two classes of licenses which shall authorize the holders thereof to engage in the custom application of pesticides to the extent authorized by the license and the rules and regulations of the State Board of Agriculture. The classes of licenses shall be as follows:

(a) **Contractor's License.** A contractor's license shall authorize the holder thereof to contract for the aerial application of pesticides.

(b) **Airplane Applicator's License.** An airplane applicator's license shall entitle the holder thereof to apply pesticides as contracted for by the holder of an operator's license.

**§12-3. Examination for license.**—Before any license is issued, the Commissioner may require the applicant to undergo such examination and to submit such other information as the Commissioner in his discretion may deem necessary for a proper determination of the applicant's qualifications.

**§12-4. Modification, revocation or suspension of license.**—All licenses are subject to modification as to terms and privileges and may be revoked or suspended by the Commissioner of Agriculture according to the provisions of G.S. 106-65.14. Licenses may be issued for periods of less than one year but all licenses shall expire on December 31 of each year and may be renewed upon the filing of a new application therefor.

**§12-5. Display of license.**—All holders of contractor's or airplane applicator's licenses shall keep their licenses conspicuously posted at their place of business or about their person when engaged in the application of pesticides by aircraft and shall show their license upon request. Upon satisfactory proof of the loss or destruction of a license, a duplicate thereof may be issued to the qualified holder.

**§12-6. Liability bond.**—No airplane applicator's license shall be issued unless the applicant submits to the Commissioner of Agriculture along with the application for license a liability insurance policy covering said applicant and the person or persons for whom the custom application of pesticides is to be made against liability for damage to all persons or property caused by said aircraft. Said liability insurance policy shall cover



at least \$5,000.00 for property damage, \$10,000.00 for personal injury, and \$20,000.00 for any one accident; and shall be required to be in force for the duration of the applicant's license: Provided, however, it is not the intent of this regulation for any liability insurance policy to cover damages resulting from the application of pesticides, but only for damages caused by aircraft.

**§12-7. Report and Records.**—Each contractor shall maintain daily reports and records on forms satisfactory to the Commissioner and all such reports and records shall be kept open and available for inspection by any authorized representative of the Department of Agriculture. Each contractor shall also submit to the Commissioner of Agriculture on or before December 31 of each year an annual report on forms furnished by the Commissioner, covering in detail the contractor's activities for the period covered by the report.

**§12-8. Responsibility of contractors and applicators.**—All contractors and applicators shall be responsible for the proper use and maintenance of equipment and for the proper use and application of pesticides; and shall at all times use due care for the protection of surrounding property, crops, fish ponds, plants and livestock. Any contractor or applicator who violates or disregards the provisions of this regulation or who makes any custom application in faulty, careless, or negligent manner shall have his license suspended or revoked according to the provisions of G.S. 106-65.14.

(Adopted: June 22, 1953)

(Authority: G.S. 106-65.15)

## Licenses Under N. C. Aerial Crop-Dusting Law for 1967

This list gives the names of firms or individuals who registered with the North Carolina Department of Agriculture and were issued licenses as Contractors, Applicators, or both, for the year 1967. Each type of license is indicated in connection with the respective name of individual or firm as given in the list.

All licenses expire December 31, 1967, or earlier according to expiration of insurance coverage and are subject to renewal for operations in 1968.

### AERIAL SERVICES CORPORATION

Aerial Services Heliport  
Route 8  
Roanoke, Virginia  
P. O. Box 4217  
Roanoke, Virginia 24015  
Contractor

### F. W. AMTOWER

c/o Jernigan Spray Service, Inc.  
P. O. Box 488  
Ahoskie, N. C.  
624 West Piedmont  
Keyser, West Virginia  
Applicator

### VERN O. ANDERSON

c/o King Flying Service  
King, N. C.  
6990 Clayton  
Denver, Colorado  
Applicator

### ROBERT F. AVERY

Avery Crop Spraying Service  
Route 3  
Dunn, N. C.  
Applicator and Contractor

### WILFRED A. BAARS

P. O. Box 4217  
Roanoke, Virginia 24015  
P. O. Box 7261  
Shreveport, Louisiana 71107  
Applicator

### WILLIAM HOWARD BAGGETT

General Delivery  
Scotland Neck, N. C.  
603 So. 22nd Street  
Ft. Pierce, Florida 33450  
Applicator and Contractor

### DWAYNE S. BAILEY

P. O. Box 7261  
Shreveport, Louisiana 71107  
Applicator

### JAMES DAVID BARNWELL

Hiwassee Street  
Black Mountain, N. C.  
Applicator

### LLOYD H. BARNWELL

Kittrell Livestock  
Corapeake, N. C.  
c/o M. E. Rogers Whse.  
Carolina Highway  
Suffolk, Virginia 23434  
826 N. Daughtry Ave.  
Douglas, Georgia  
Applicator and Contractor

### WADE REGINALD BRABBLE

P. O. Box 94  
Plymouth, N. C. 27962  
Applicator

### FRAZIER MACK BRAME

Route 5  
Reidsville, N. C. 27320  
Applicator and Contractor

### JOHN BRANCH

P. O. Box 7261  
Shreveport, Louisiana 71107  
Applicator

### JACK D. BREWER

Route 3  
Clinton, N. C.  
Applicator

### HAROLD F. BROWN

P. O. Box 4217  
Roanoke, Virginia 24015  
P. O. Box 7261  
Shreveport, Louisiana 71107  
Applicator

### JOHN W. BRUCE

P. O. Box 4217  
Roanoke, Virginia 24015  
P. O. Box 7261  
Shreveport, Louisiana 71107  
Applicator

### ODELL LOUIS BURTON

130 Green Crest Cr.  
Jacksonville, N. C.  
Applicator

### CAMPBELL AIR SERVICE, INC.

P. O. Box 7261  
Shreveport, Louisiana 71107  
Contractor

### HALBERT E. CAMPBELL

4228 Forest View Drive  
Fayetteville, N. C.  
Temporary—Route 1, Box 315  
Clinton, N. C.  
Applicator

### JOHN V. CAMPBELL

1320 Glen  
Shreveport, Louisiana 71109  
P. O. Box 7261  
Shreveport, Louisiana 71107  
Applicator

### GEORGE CARTWRIGHT

Columbia, N. C.  
4860 Frostburg Lane  
Virginia Beach, Virginia  
Applicator

### EDWARD R. COLE, JR.

Route 1  
Leicester, N. C.  
Applicator



- CRAFT SPRAYING, INC.  
P. O. Box 172  
Farmville, N. C.  
Contractor
- GERALD J. CURRY  
Route 3  
Wrightsville, Georgia  
1915 Ocean Front Walk  
Venice, California  
Applicator
- JAMES L. DeHAVEN  
P. O. Box 1397  
Kinston, N. C. 28501  
Applicator
- DONALD L. STOTESBERRY  
Donald's Flying Service  
Route 1, Box 336-D  
Plymouth, N. C. 27962  
Contractor
- SIDNEY E. GIBBS  
Route 2  
King, N. C.  
Applicator
- LEONARD GOODE  
P. O. Box 7261  
Shreveport, Louisiana 71107  
Applicator
- GREENVILLE AVIATION CORP.  
P. O. Box 231  
Washington, N. C.  
Contractor
- WALTER RAY GRIFFIN  
Route 1  
Summerfield, N. C.  
Applicator and Contractor
- SHERMAN W. HANKE  
Box 422  
Clio, South Carolina  
Box 29  
Summerfield, Florida  
Applicator and Contractor
- ROBERT W. HEFFLEY  
767 B. Bermuda  
Charleston, South Carolina 29407  
Applicator
- GENE L. HICKMAN  
Route 1, Box 623  
Bladenboro, N. C.  
Applicator
- JERRY HILL  
P. O. Box 7261  
Shreveport, Louisiana 71107  
Applicator
- HOLLEY DUSTING SERVICE, INC.  
325 Spring Street  
Hendersonville, N. C.  
P. O. Box 945  
Homestead, Florida  
Contractor
- INLAND AIR LINES, INC.  
Douglas Municipal Airport  
Charlotte, N. C.  
P. O. Box 1144  
Myrtle Beach, South Carolina 29577  
Contractor
- JERNIGAN SPRAY SERVICE, INC.  
P. O. Box 488  
Ahoskie, N. C. 27910  
Contractor
- JAY L. JETER  
P. O. Box 7261  
Shreveport, Louisiana 71107  
Applicator
- DAN C. JOHNSON  
P. O. Box 536  
West Memphis, Arkansas  
Applicator
- PERRY W. JONES  
325 Spring Street  
Hendersonville, N. C.  
Applicator
- KING FLYING SERVICE, INC.  
Route 2  
King, N. C.  
Contractor
- MELVIN KOON  
P. O. Box 7261  
Shreveport, Louisiana 71107  
Applicator
- ROBERT LAY  
Lay's Flying Service  
P. O. Box 741  
Washington, N. C. 27889  
Applicator and Contractor
- JOHN LILLEY  
Jamesville, N. C.  
Applicator
- JACK LOWERS  
Route 3  
Clinton, N. C.  
Applicator and Contractor
- PAUL M. LUNDEBERG  
c/o Roy Wood  
Route 3, Box 56  
Raeord, N. C. 28376  
7518 E. Young Pl.  
Tulsa, Oklahoma  
Applicator
- ERNEST H. MARSHALL  
1805 Brevard Road  
P. O. Box 51  
Hendersonville, N. C.  
Applicator
- MARSHALL FARM AIR SERVICE,  
INC.  
P. O. Box 1301  
Tryon, N. C. 28782  
Fairview Airport  
Landrum, South Carolina  
Contractor
- GEORGE B. MARSHALL  
209 Broadway  
Tryon, N. C.  
Applicator
- ROBERT L. McILVAIN  
1019 Barnett  
Vincennes, Indiana  
Applicator
- JOHN McKENZIE  
P. O. Box 7261  
Shreveport, Louisiana 71107  
Applicator
- JOHN M. McLEAN  
Route 1  
Wagram, N. C.  
Contractor

McNAIR INVESTMENT COMPANY  
D/B /A McNair Farms  
Box 1509  
Laurinburg, N. C.  
Laurinburg-Maxton Air Base  
Contractor

HERMAN R. MEADS  
Route 1, Box 318  
Elizabeth City, N. C.  
Applicator and Contractor

MINERAL SPRINGS HELICOPTER  
SERVICE, INC.  
Mineral Springs, N. C.  
Contractor

LARRY D. MITCHELL  
P. O. Box 231  
Washington, N. C.  
Applicator

HENRY E. MOORE, JR.  
Route 4  
Clinton, N. C.  
Applicator and Contractor

C. R. MOSS  
131 Kensington Drive  
Spartanburg, South Carolina  
Applicator

R. H. MUTSCHLER  
Dogwood Avenue  
Myrtle Beach, South Carolina  
Applicator

R. A. NAYLOR  
Clinton Flying Service  
P. O. Box 586  
Clinton, N. C.  
Applicator and Contractor

HARRY W. NELSON  
P. O. Box 883  
Ft. Pierce, Florida  
Route 1  
Dover, N. C. 28526  
Applicator and Contractor

CHARLES BARRY OWENS  
c/o King Flying Service, Inc.  
Route 2  
King, N. C.  
Box 5592  
Houston, Texas  
Applicator

DELMAR C. OWENS  
Owens Crop Dusting & Spraying  
P. O. Box 183  
Columbia, N. C. 27925  
Applicator and Contractor

H. C. PALMER  
Palmer Aero Flying Service, Inc.  
Box 336  
Harrisburg, Arkansas  
Applicator and Contractor

DAVID S. PATTERSON  
Mobile Home Estates  
Route 3  
Laurinburg, N. C.  
109 Knoxville  
Ft. Valley, Georgia  
Applicator

WILLIAM J. PERDUE  
P. O. Box 1285  
Lake Wales, Florida  
P. O. Box 7261  
Shreveport, Louisiana 71107  
Applicator

F. M. POWELL  
1705 Powatan Street  
Fayetteville, N. C.  
Applicator

JAMES C. PRICE  
Dillon County Airport  
Dillon, South Carolina  
Applicator and Contractor

JOHN A. ROBERTS  
Box 172  
Farmville, N. C.  
Applicator

ROCKY MOUNT AERIAL  
APPLICATORS, INC.  
1320 Horne Street  
Rocky Mount, N. C. 27801  
Contractor

M. M. RODDY  
Country Club Drive  
Rocky Mount, N. C. 27801  
Applicator

ELMER ROGERS  
Rogers Aircraft Service  
P. O. Box 83  
Hope Mills, N. C.  
Contractor

W. B. ROWE  
P. O. Box 7261  
Shreveport, Louisiana  
314 W. James Street  
Vivian, Louisiana  
Applicator

CHARLES A. SPILLMAN, JR.  
Spillman's Flying Service  
Route 2, Box 218  
Trinity, N. C.  
Applicator and Contractor

THOMAS E. STANCIL, JR.  
Stancil Flying Service  
P. O. Box 101  
1205 Bonner  
Washington, N. C.  
Applicator and Contractor

DON L. STEED  
Southern Pines Airport  
Southern Pines, N. C.  
1296 Relyea Avenue  
Charleston, South Carolina 29407  
Applicator and Contractor

ELBERT SUTHARD, JR.  
Route 8, Box 302  
Reidsville, N. C.  
Applicator and Contractor

AYLOR T. TALBOTT  
Aylor's Crop Spraying Service  
Halifax Road  
South Boston, Virginia 24592  
Applicator and Contractor

RICHARD U. TEMPLE, JR.  
5606 Pinckney Avenue  
Myrtle Beach, South Carolina  
Applicator

MARSHALL F. TILLET, JR.  
922 Woodruff Avenue  
Elizabeth City, N. C. 27909  
Applicator and Contractor

B. W. TRUEBLOOD  
206 Southern Blvd.  
Rocky Mount, N. C. 27801  
Applicator



ROBERT G. UEDING  
Ueding Flying Service  
R. R. 5, Box 254  
Vincennes, Indiana 47591  
Contractor

JOSEPH O. VERNON  
P. O. Box 4217  
Roanoke, Virginia  
P. O. Box 7261  
Shreveport, Louisiana 71107  
Applicator

LOUIS L. VIECK  
1421 Parkinson Street  
Vincennes, Indiana  
Applicator

IVAN WALDEN  
2305 Mahoney Avenue  
Leesburg, Florida  
Applicator

GEORGE D. WALTERS  
P. O. Box 84  
Elizabeth City, N. C. 27909  
Applicator and Contractor

H. C. WARF  
Warf's Flying Service  
Route 6  
Reidsville, N. C.  
Applicator and Contractor

JIMMIE W. WHEELON  
Route 2  
Hendersonville, N. C.  
Applicator

FRED WHITFIELD  
Alamance Aviation Service, Inc.  
Route 7  
Burlington, N. C.  
Applicator and Contractor

ROBERT O. WHITFIELD  
Whitfield Airplane Spraying  
Route 2  
Hurdle Mills, N. C. 27541  
Applicator and Contractor

HOMER GERALD WHITTINGTON  
2008 Townsend Avenue  
Charlotte, N. C. 28205  
Applicator

JOHN H. WHITTINGTON  
Route 2, Box 79  
Rowland, N. C.  
Applicator

J. B. WILLIAMS, JR.  
1320 Horne Street  
Rocky Mount, N. C. 27801  
Applicator

ROY WEAVER WOOD  
Route 3, Box 56  
Raeftord, N. C. 28376  
Applicator and Contractor

## Chemical and Common Names of Economic Poisons

### ALANAP:

N-1-naphthylphthalamic acid

### ALDRIN:

Hexachlorohexahydro-endo, exo-dimethanonaphthalene

### ALLETHRIN:

dl-2-allyl-4-hydroxy-3-methyl-2-cyclopenten-1-one ester of dl-cistrans-chrysanthemum monocarboxylic acid

### AMIBEN:

3-amino-2, 5-dichlorobenzoic acid

### AMITROLE:

3-amino-1,2,4-triazole

### ANTU:

Alpha-naphthyl thiourea

### ARAMITE:

2(p-tert-butylphenoxy) isopropyl-2-chloroethyl sulfite; Beta-chloro-ethyl Beta-(p-tertiary-butylphenoxy)-amethyl ethyl sulfite

### ARSENIC TRIOXIDE:

Arsenious oxide

### ATRAZINE:

2-chloro-4-ethylamino-6-isopropylamino-S-triazine

### AZODRIN:

Dimethyl phosphate of 3-hydroxy-N-methyl-cis-crotonamide

### BALAN; BENEFIN:

N-butyl-N-ethyl-a,a,a-trifluoro-2,6-dinitro-p-toluidine

### BAYTEX; BAYER 29493:

O,O,-Dimethyl-O-(4-methylthio-m-toyl) phosphorothioate

### BHC:

Benzene hexachloride; 1,2,3,4,5,6-hexachlorocyclohexane

### BIDRIN:

Dimethyl phosphate of 3-hydroxy N,N-dimethyl-cis-crotonamide

### BOMYL:

Dimethyl 3-hydroxyglutaconate dimethyl phosphate

### BORAX:

Sodium tetraborate decahydrate

### BORIC ACID:

Boric acid; orthoboric acid



**BUTYRAC:**

2,4-Dichlorophenoxy butyric acid, sodium salt

**CALCIUM ARSENATE:**

Tricalcium arsenate

**CALCIUM CYANIDE:**

Calcium cyanide

**CAPTAN:**

N-trichloromethylmercapto-4-cyclohexene-1,2-dicarboximide;  
N-trichloromethylthio tetrahydrophthalimide

**CHLORANIL; SPERGON:**

2,3,5,6-Tetrachloro-1,4-benzoquinone

**CHLORDANE:**

1,2,4,5,6,7,8-Octachloro-4,7-methano-3a,4,7,7a-tetrahydroindane

**CHLORO IPC:**

Isopropyl N-(3-chlorophenyl) carbamate

**CHLORTHION:**

O,O-dimethyl-O-3-chloro-4-nitrophenyl thiophosphate

**CHLOROBENZILATE:**

Ethyl 4,4'-Dichlorobenzilate

**CIODRIN:**

Alpha-methylbenzyl 3-(dimethoxyphosphinyloxy) cis-crotonate

**COPPER ARSENATE (BASIC):**

Cupric arsenate (Basic)

**CO-RAL; COUMAPHOS:**

O,O-Diethyl O- 3 chloro-4-methyl-1-oxo-2H-1-Benzopyran-7-yl  
phosphorothioate

**COTORAN:**

3-(m-trifluoromethyl phenyl)-1,1-dimethylurea

**DACTHAL:**

Dimethyl ester of tetrachloro-terephthalic acid

**DALAPON:**

2,2-dichloropropionic acid

**2,4-D:**

2,4-Dichlorophenoxyacetic acid

**DDD; TDE; ROTHANE:**

Dichloro diphenyl dichloroethane; 2,2 bis-(p-chlorophenyl)-1,1-dichloroethane

**DDT:**

Dichloro diphenyl trichloroethane; trichloro bis (4-chlorophenyl)-ethane

**DDVP; VAPONA:**

O,O-Dimethyl-2,2-dichloro vinyl phosphate

**DELNAV:**

2,3-*p*-dioxane S,S-bis-(O,O-diethyl phosphorodithioate)

**DELPHENE; DEET:**

N,N-diethyl-*m*-toluamide; Diethyltoluamide

**DEMETON:**

Beta-ethylmercapto-ethyl diethyl thionophosphate

**DIAZINON:**

O,O-diethyl-O-2-isopropyl-4-methyl-6-pyrimidyl thiophosphate

**DIBROM; NALED:**

O,O-dimethyl-O-(1,2 dibromo-2,2 dichloroethyl) phosphate

**DICAMBA; MEDIBEN:**

3,6-dichloro-*o*-anisic acid; 2-methoxy-3,6-dichlorobenzoic acid

**DICAPTHON:**

Dimethyl 2-chloronitrophenyl thiophosphate

**DICHOLOBENIL; CASORON:**

2,6-dichlorobenzonitrile

**DICHLONE; PHYGON:**

2,3-Dichloro-1,4-naphthoquinone

**DICHLOROPHENE:**

2,2'-methylene bis (4-chlorophenol)

**DIELDRIN:**

Hexachloroepoxyoctahydro-endo, exo-dimethanonaphthalene

**DIMETHOATE:**

O,O-dimethyl S-(*n*-methyl carbamoyl methyl) phosphoro dithioate

**DIMETILAN:**

2-dimethylcarbonyl-3-methylprozolyl-(5)-dimethylcarbamate

**DIMITE:**

1,1-Bis (*p*-chlorophenyl)-ethanol

**DINITRO ORTHO CRESOL:**

4,6-Dinitro-*o*-cresol; 2-methyl-4,6-dinitro-phenol

**DIPHENAMID:**

N,N-Dimethyl-2,2-Diphenylacetamide



**DIPTEREX:**

O,O-Dimethyl-1-hydroxy-2,2,2-trichloroethyl phosphonate; Dimethyl-trichloro-hydroxyethylphosphate

**DISODIUM METHYL ARSONATE:**

Disodium methane arsonate hexahydrate

**DISYSTON; DISULFOTON:**

O,O-Diethyl S-2-(ethylthio) ethyl phosphoro dithioate

**DIURON:**

3-(3,4-dichlorophenyl)-1,1-dimethylurea

**ENDRIN:**

Hexachloroepoxyoctahydro-endo, endo-dimethanonaphthalene

**EPTAM:**

ethyl di-n-propylthiolcarbamate

**ERBON:**

2-(2,4,5-trichlorophenoxy)ethyl,2,2,dichloropropionate

**ETHION:**

O,O,O',O'-tetraethyl S-S'-methylene bisphosphorodithioate

**ETHYL GUTHION:**

O,O-Diethyl S-4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl phosphorodithioate

**FENURON:**

3-Phenyl-1,1-dimethylurea

**FERBAM:**

Ferric dimethyldithiocarbamate

**FOLEX:**

S,S,S-tributyl phosphorotrithioate

**FUMARIN; COUMAFARYL:**

3-(1-Furyl-2-acetyl-ethyl) 4-hydroxycoumarin

**GLYODIN:**

2-Heptadecyl glyoxalidine acetate

**GUTHION:**

O,O-Dimethyl S-(4-oxo-1,2,3-benzotriazinyl-3-methyl) phosphorodithioate

**HEPTACHLOR:**

1,4,5,6,7,8,8a-Heptachloro-3a,4,7,7a-tetrahydro-4,7-endo-methanoindane

**HEXACHLOROPHENE:**

2,2'-Methylene-bis (3,4,6-trichlorophenol)

**KARATHANE; CAPRYL:**

4,6-Dinitro-2-caprylphenyl crotonate; 2-(1-methyl heptyl)-4,6-dinitrophenyl crotonate

**KELTHANE:**

1,1-bis (p-chlorophenyl)-2,2,2-trichloroethanol; Bis (p-chlorophenyl) trichloroethanol

**KEPONE:**

Decachlorooctahydro-1,3,4-methano-2H-cyclobuta (cd) pentalen-2-one

**KORLAN; RONNEL:**

Dimethyl trichlorophenyl thiophosphate; O,O-Dimethyl O-2,4,5-trichlorophenyl phosphorothioate

**LETHANE A-70:**

Beta Beta Dithiocyano diethyl ether

**LETHANE 60:**

Beta-thiocyanoethyl esters of C<sub>10</sub>-C<sub>18</sub> aliphatic fatty acids

**LETHANE 384:**

Beta-Butoxy-Beta-thiocyano-diethyl ether

**LINURON:**

3-(3,4-Dichlorophenyl)-1-methoxy-1-methylurea

**MALATHION:**

O,O-Dimethyl dithiophosphate of diethyl mercaptosuccinate;  
S-(1,2-dicarbethoxyethyl) O,O-dimethyl dithiophosphate

**MANEB:**

Manganese ethylenebisdithiocarbamate

**METALDEHYDE:**

Metaldehyde; metacetaldehyde

**METHOXYCHLOR:**

2,2-bis (p-methoxyphenyl)-1,1,1-trichloroethane

**METHYL PARATHION:**

O,O-Dimethyl-o-p-nitrophenyl phosphorothioate

**METHYL TRITHION:**

O,O-Dimethyl S-(p-chlorophenylthio) methyl phosphorodithioate

**MH-30:**

6-hydroxy-3-(2H)-pyridazinone

**MONURON:**

3-(p-chlorophenyl)-1,1-dimethylurea

**MYLONE:**

3,5-Dimethyltetrahydro-1,3,5,2H-thiadiazine-2-thione



**NEBURON:**

1-n-Butyl-3-(3,4-dichlorophenyl)-1-methylurea

**NEMAGON:**

1,2-Dibromo-3-chloropropane

**NICOTINE:**

1,Methyl-1-(3-Pyridyl) pyrrolidine

**NOREA:**

3-(Hexahydro-4,7-methanoindan-5-yl)-1,1-dimethylurea

**OVEX; OVOTRAN:**

p-Chlorophenyl p-chlorobenzenesulfonate

**PARADICHLOROBENZENE:**

1,4-Dichlorobenzene

**PARATHION:**

O,O-Diethyl-o-paranitrophenyl thiophosphate

**PARIS GREEN:**

Copper acetoarsenite

**PENAR:**

Dimethyldodecylamine acetate

**PENPHENE:**

Tetrachlorothiophene

**PERTHANE:**

1,1-Dichloro-2,2-bis(p-ethylphenyl) ethane

**PHALTAN; FOLPET:**

N-(trichloromethylthio) phthalimide

**PHENOL:**

Carbolic Acid

**PHOSDRIN:**

Alpha isomer of 2-carbomethoxy-1-methylvinyl dimethyl phosphate

**PHOSPHAMIDON:**

1-chloro-diethyl-carbomoyl-1-propen-2 yl dimethylphosphate

**PIPERONYL BUTOXIDE**

Butylcarbityl-6-(propyl piperonyl) ether

**PIPERONYL CYCLONENE:**

3,Isoamyl-5-(methylenedioxyphenyl)-2-cyclo-hexenone

**PIVAL:**

2-Pivalyl-1,3-indandione

**PIVALYN:**

Sodium salt of 2-Pivalyl-1,3-indandione

**POLYRAM:**

A mixture of Zineb and Zinc Dithiobis (thiocarbonyl) iminoethylene bisdithiocarbamate

**POTASSIUM CYANATE:**

Potassium cyanate

**PRAMEX:**

N,N-di-*n*-butyl-*p* chlorobenzene sulfonamide

**PYRETHRUM:**

Chrysanthemum cineroreaeefolium

**ROTENONE:**

Rotenone

**SABADILLA:**

Schoenocaulon officinale

**SANTOPHENE:**

O-benzyl-*p*-chlorophenol

**SESONE:**

Sodium 2-(2,4-dichlorophenoxy)ethyl sulfate

**SEVIN; CARBARYL:**

1-Naphthyl-N-methyl-carbamate

**SHOXIN; NORBROMIDE:**

Mixture of stereoisomers of 5- $\alpha$ -hydroxy- $\alpha$ -2-pyridylbenzyl)-7-( $\alpha$ -2-pyridylbenzylidene)-5-norbornene-2,3-dicarboximide

**SILVEX:**

2-(2,4,5-Trichlorophenoxy)propionic acid

**SODIUM ARSENATE:**

Sodium meta-arsenate

**SODIUM ARSENITE:**

Sodium meta-arsenite

**SODIUM FLUORIDE:**

Sodium fluoride

**SODIUM FLUOSILICATE:**

Sodium fluosilicate; sodium silicofluoride

**STRYCHNINE:**

Strychnos nux-vomica

**STROBANE:**

Mixture of heptachlorocamphene, heptachloropinene and other chlorinated terpenes



**SULFOTEPP:**

Tetraethyl dithionopyrophosphate

**SULFUR:**

Sulfur

**2,4,5-T:**

2,4,5-Trichlorophenoxyacetic acid

**TEDION; TETRADIFON:**

2,4,5,4'-Tetrachlorodiphenyl sulphone

**TENORAN:**

N-4(p-chlorophenoxy)-phenyl-N',N'-dimethylurea

**TEPP:**

Tetraethyl pyrophosphate

**TERRACHLOR:**

Pentachloronitrobenzene

**THALLIUM SULFATE:**

Thalious sulfate

**THANITE:**

Isobornyl thiocyanate

**THIODAN; ENDOSULFAN:**

6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexa-hydro-6,9-methano-2,4,3-benzodioxathiepin-3-oxide

**THIRAM:**

Tetramethylthiuram disulfide

**TILLAM:**

N-propyl ethyl-N-butylthiolcarbamate

**TOXAPHENE:**

Octachlorocamphene

**TRIFLURALIN:**

2,2,2-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine

**TRITHION; CARBOPHENOTHION:**

O,O-Diethyl S-p-chlorophenylthiomethyl phosphorodithioate

**VAPAM:**

Sodium N-methyl dithiocarbamate dihydrate

**VERNAM:**

n-propyl-di-n-propylthiolcarbamate

**WARFARIN:**3-( $\alpha$ -Acetonylbenzyl)-4-hydroxycoumarin**ZECTRAN:**

4-dimethylamino-3,5-xylol N-methylcarbamate

**ZINEB:**

Zinc etheylenebisdithiocarbamate

**ZIRAM:**

Zinc dimethyldithiocarbamate



**Official Analyses  
of  
Economic Poisons  
1967**

## Summary of Economic Poisons Examined—1967

| TYPES   | SAMPLES |                |   |                 |                        |
|---|---------|----------------|---|-----------------|------------------------|
|   | Passed  | De-<br>ficient | Exces-<br>sive<br>Active<br>Ingre-<br>dient | Mis-<br>branded | Not<br>Regis-<br>tered |
| <b>Arsenicals</b>                                       |         |                |   |                 |                        |
| Arsenic trioxide  | 4       | 1              | 2   | ---             | ---                    |
| Calcium arsenate preparations                           | 4       | ---            | ---   | ---             | 1                      |
| Copper acetoarsenite                                    | 1       | ---            | ---   | ---             | ---                    |
| Dimethylarsinic acid                                    | 1       | ---            | ---   | ---             | ---                    |
| Disodium methanearsonate                                | 1       | ---            | ---   | ---             | ---                    |
| Lead arsenate preparations                              | 9       | ---            | 1   | ---             | 1                      |
| Monosodium acid methanearsonate<br>preparations         | 2       | ---            | 1   | ---             | ---                    |
| Sodium arsenate   | 6       | ---            | ---   | ---             | 1                      |
| Sodium arsenite   | 3       | ---            | ---   | ---             | 1                      |
| Tricalcium arsenate preparations                        | 2       | ---            | ---   | ---             | ---                    |
| <b>Botanicals</b>                                       |         |                |   |                 |                        |
| Nicotine  | 4       | ---            | ---   | ---             | ---                    |
| Pyrethrins preparations                                 | 26      | 2              | ---   | ---             | 11                     |
| Rotenone preparations                                   | 26      | 4              | ---   | ---             | 6                      |
| Sabadilla   | 2       | ---            | ---   | ---             | 1                      |
| Strychnine preparations                                 | 11      | ---            | ---   | ---             | 1                      |
| <b>Organic Chlorine Compounds</b>                       |         |                |   |                 |                        |
| Aldrin preparations                                     | 11      | 2              | ---   | 3               | 2                      |
| Ammonium chloride disinfectant<br>preparations          | 1       | ---            | ---   | ---             | 1                      |
| BHC preparations  | 33      | 4              | 1   | ---             | 6                      |
| Butyrac, dimethylamine salt                             | 4       | ---            | ---   | ---             | ---                    |
| Captan preparations                                     | 10      | 2              | ---   | ---             | 3                      |
| Chlordane preparations                                  | 39      | 6              | ---   | ---             | 8                      |
| Chlorobenzilate   | 1       | ---            | ---   | ---             | ---                    |
| Chlorinated C <sub>8</sub> hydrocarbons                 | 2       | ---            | ---   | ---             | ---                    |
| 2,4-D-2,4,5-T preparations                              | 14      | 1              | ---   | ---             | 4                      |
| Dacthal   | 2       | 2              | ---   | ---             | ---                    |
| DDD preparations  | 96      | 8              | 2   | ---             | 2                      |
| DDT preparations  | 206     | 71             | 3   | ---             | 13                     |
| DDVP preparations                                       | 19      | 2              | ---   | ---             | 2                      |
| Dichlobenil   | 1       | ---            | ---   | ---             | ---                    |
| Dieldrin preparations                                   | 19      | 1              | 1   | ---             | ---                    |
| Dipterex  | 2       | 1              | ---   | ---             | ---                    |
| Endrin preparations                                     | 1       | 1              | ---   | ---             | 2                      |
| Erbon   | ---     | 1              | ---   | ---             | ---                    |
| Isopropyl N(3-chlorophenyl) carbamate                   | 1       | ---            | ---   | ---             | 3                      |
| Kelthane  | ---     | ---            | ---   | ---             | ---                    |
| Kepone  | 6       | ---            | ---   | ---             | ---                    |
| Methoxychlor preparations                               | 16      | ---            | ---   | ---             | 1                      |
| Nemagon   | 2       | 2              | ---   | ---             | ---                    |
| Paradichlorobenzene                                     | 5       | 1              | ---   | ---             | 11                     |
| Pentachlorophenol preparations                          | 4       | ---            | ---   | ---             | 1                      |
| Perthane preparations                                   | 4       | ---            | ---   | ---             | ---                    |
| Phaltan   | 3       | ---            | ---   | ---             | ---                    |
| Sodium chlorate preparations                            | 1       | 1              | ---   | ---             | 1                      |
| Tenorán   | 2       | ---            | ---   | ---             | ---                    |
| Terrachlor  | 2       | ---            | ---   | ---             | ---                    |
| Tetrachlorothiophene                                    | 1       | ---            | ---   | ---             | ---                    |
| Thiodan   | 3       | ---            | ---   | ---             | 1                      |
| Toxaphene preparations                                  | 63      | 14             | ---   | ---             | 14                     |
| Trithion  | 1       | ---            | ---   | ---             | 1                      |
| <b>Metallic Compounds</b>                               |         |                |   |                 |                        |
| Co-ordination product of zinc ion and maneb             | ---     | ---            | ---   | ---             | 1                      |
| Copper preparations                                     | 22      | 9              | ---   | ---             | 5                      |
| Ferbam preparations                                     | 14      | 3              | ---   | ---             | ---                    |
| Maneb preparations                                      | 2       | 5              | ---   | ---             | 2                      |
| Polyram preparations                                    | 2       | 3              | ---   | ---             | ---                    |
| Thallium sulfate  | ---     | 1              | ---   | ---             | 1                      |
| Zinc dimethyldithiocarbamate<br>cyclohexylamine complex | 1       | ---            | ---   | ---             | ---                    |
| Zinc phosphide  | 1       | ---            | ---   | ---             | ---                    |
| Zineb preparations                                      | 4       | 8              | ---   | ---             | ---                    |



## Summary of Economic Poisons Examined—1967—Continued

| TYPES   | SAMPLES |                |   |                 |                        |
|---|---------|----------------|---|-----------------|------------------------|
|   | Passed  | De-<br>ficient | Exces-<br>sive<br>Active<br>Ingred-<br>ient | Mis-<br>branded | Not<br>Regis-<br>tered |
| <b>Phosphorus Compounds</b>                             |         |                |   |                 |                        |
| Baytex .....  | 1       | ---            | 1   | ---             | ---                    |
| Ciodrin .....   | 4       | ---            | ---   | ---             | ---                    |
| Demeton .....   | 2       | ---            | ---   | ---             | ---                    |
| Diazinon preparations .....                             | 10      | ---            | ---   | ---             | ---                    |
| Dibrom .....  | 4       | ---            | 1   | ---             | ---                    |
| Dimethoate .....  | 1       | ---            | ---   | ---             | ---                    |
| Disyston .....  | 1       | ---            | ---   | ---             | ---                    |
| Folex .....   | ---     | ---            | 1   | ---             | ---                    |
| Guthion .....   | 1       | ---            | ---   | ---             | ---                    |
| Malathion preparations .....                            | 41      | 19             | 1   | ---             | 9                      |
| Parathion preparations .....                            | 17      | 6              | ---   | ---             | 2                      |
| Phosdrin .....  | ---     | 2              | ---   | ---             | ---                    |
| Phosphoric acid preparations .....                      | ---     | ---            | ---   | ---             | 1                      |
| Phosphorus .....  | 7       | 3              | ---   | ---             | 1                      |
| <b>Miscellaneous</b>                                    |         |                |   |                 |                        |
| Alkanolamine salt of<br>dinitro-o-sec-butylphenol ..... | ---     | 1              | ---   | ---             | ---                    |
| Amitrole .....  | 2       | ---            | ---   | ---             | ---                    |
| Ammonium salt of amiben .....                           | ---     | ---            | ---   | ---             | 1                      |
| Atrazine preparations .....                             | 2       | ---            | ---   | ---             | 1                      |
| Balan .....   | 1       | ---            | ---   | ---             | ---                    |
| Boric acid .....  | 9       | ---            | ---   | ---             | ---                    |
| Calcium cyanide .....                                   | 2       | 1              | ---   | ---             | ---                    |
| Calcium polysulfide preparations .....                  | 2       | ---            | ---   | ---             | 1                      |
| Cotoran .....   | 2       | ---            | ---   | ---             | ---                    |
| Delphene preparations .....                             | 12      | ---            | ---   | ---             | ---                    |
| Dimetalan .....   | 2       | ---            | ---   | ---             | ---                    |
| Dinitro ortho cresol .....                              | 1       | 1              | ---   | ---             | ---                    |
| Diphenamide .....                                       | 1       | ---            | ---   | ---             | ---                    |
| Ethylene dibromide .....                                | 1       | ---            | ---   | 1               | ---                    |
| Fenuron .....   | 1       | ---            | ---   | ---             | ---                    |
| Fluorine compounds .....                                | 9       | 4              | ---   | ---             | 4                      |
| Fumarin .....   | 16      | ---            | ---   | 1               | 1                      |
| Linuron .....   | 1       | ---            | ---   | ---             | ---                    |
| Metaldehyde .....                                       | ---     | ---            | ---   | ---             | 1                      |
| MH-30 .....   | 1       | ---            | ---   | ---             | 1                      |
| Naphthalene .....                                       | 1       | ---            | ---   | ---             | 6                      |
| Norea .....   | ---     | ---            | 2   | ---             | ---                    |
| Paraformaldehyde .....                                  | 1       | ---            | ---   | ---             | ---                    |
| Petroleum derivative solvents .....                     | 4       | ---            | ---   | ---             | 1                      |
| Phenol preparations .....                               | 5       | ---            | ---   | ---             | 6                      |
| Pine oil preparations .....                             | 2       | ---            | ---   | ---             | 1                      |
| Pival .....   | 4       | ---            | ---   | ---             | ---                    |
| Pivalyn .....   | 4       | ---            | ---   | ---             | ---                    |
| Planavin .....  | 1       | ---            | ---   | ---             | ---                    |
| Potassium cyanate .....                                 | ---     | ---            | ---   | ---             | 1                      |
| Sevin preparations .....                                | 109     | 6              | 3   | ---             | 14                     |
| Shoxin .....  | 1       | ---            | ---   | ---             | ---                    |
| Sulfur .....  | 9       | ---            | ---   | ---             | ---                    |
| Thiram .....  | 2       | ---            | ---   | ---             | ---                    |
| Tillam .....  | 1       | ---            | ---   | ---             | ---                    |
| Vernam .....  | 2       | ---            | ---   | ---             | ---                    |
| Warfarin .....  | 34      | ---            | 1   | ---             | 5                      |
| <b>TOTALS</b> .....                                     | 1057    | 199            | 21  | 4               | 165                    |

## Decisions

The results of analyses of economic poisons are tabulated in the following pages. For the reader's ready interpretation of the analyses, designations used are explained in the following paragraphs.

**"Passed"** signifies that the labeling and composition of the product satisfactorily complied with guarantees and requirements. Small deviations in analyses are normal.

**"Deficient"** usually signifies that one or more ingredients fell significantly below guarantee, although it may also indicate an excess of a harmful ingredient, as in case of water-soluble arsenic. Such products, in most instances, qualify as unsatisfactory and are subject to "Stop Sale Order" and removal from the market for reprocessing or relabeling. In borderline cases, where exact values are indeterminate, the product is qualified as deficient but the manufacturer cautioned. In some instances where such goods have been used before analysis could be completed, the manufacturer has made settlement satisfactory to the user.

**"Adulterated"** indicates that significant quantities of undeclared active ingredients were present. Since proof of adulteration disqualifies a product, analysis may be discontinued at that point thus saving further expenditure of time and work. Such lots, batches or brands are stopped from sale and other appropriate action taken.

**"Misbranded"** signifies that labeling failed to conform to requirements. Omission of some item or statement is a more common flaw. Among these may be proper ingredient listing, skull and crossbones, "Poison" in red and an antidote where these are required; net contents by weight or volume; class of, and unsulfonated residues of petroleum oils; and percentages of alkaloids instead of crude product such as *sabadilla seed*.

In some instances of misbranding the defect appeared to be inadvertent or of a minor nature. It appeared permissible and fair to allow the manufacturer time for correction. In others, removal from sale was necessary.

**"Not Registered"** signifies that the product was not registered at the time it was sampled. Prompt registration is required or the product is removed from sales.

As has been the practice in past work, analyses were made largely for those ingredients which were considered of major importance, as, for example, gamma isomer of benzene hexachloride, whereas other isomers were not checked. For sake of brevity, items not generally checked are not listed in the tabulations. This should not be taken to indicate that manufacturers did not include them on labels. This procedure has been followed because it enables a broader coverage of all products offered for sale.



# Official Analyses of Economic Poisons, 1967

| Manufacturers and Brands                                  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions  |
|---|------------------------|-------------------|------------|
| <b>ALDRIN</b>   |                        |                   |            |
| <b>The Borden Chemical Co.<br/>Smith-Douglass Div.</b>    |                        |                   |            |
| Smith-Douglass 10% Aldrin Granular                        |                        |                   |            |
| Aldrin .....  | 10.00                  | 10.36             | Passed     |
| <b>Chevron Chemical Company-Ortho Div.</b>                |                        |                   |            |
| Ortho Aldrin 10 Granular                                  |                        |                   |            |
| Aldrin .....  | 10.00                  | 8.57              | Deficient  |
| <b>Daly-Herring Co.</b>                                   |                        |                   |            |
| Dee Aitch 10% Aldrin Granular                             |                        |                   |            |
| Aldrin .....  | 10.00                  | 11.11             | Passed     |
| <b>FCX, Inc.</b>  |                        |                   |            |
| FCX 10% Aldrin Granular                                   |                        |                   |            |
| Aldrin .....  | 10.00                  | 10.85             | Passed     |
| FCX Aldrin 4 Emulsifiable Concentrate                     |                        |                   |            |
| Aldrin .....  | 41.00                  | 42.29             | Passed     |
| <b>W. R. Grace and Co.<br/>Agricultural Products Div.</b> |                        |                   |            |
| Maxwell 5% Aldrin Granular                                |                        |                   |            |
| Aldrin .....  | 5.00                   | 5.01              | Misbranded |
| do .....  | 5.00                   | 5.36              | Misbranded |
| do .....  | 5.00                   | 4.97              | Misbranded |
| Maxwell Aldrin Emulsible Concentrate                      |                        |                   |            |
| Aldrin .....  | 24.74                  | 23.70             | Passed     |
| <b>Pearson and Co.</b>                                    |                        |                   |            |
| Pearson's Seed-Saver Bird Repellent Insecticide           |                        |                   |            |
| Aldrin .....  | 20.42                  | 20.32             | Passed     |
| <b>W. R. Peele Company, Inc.</b>                          |                        |                   |            |
| Pelco 4 lb. Aldrin Emulsifiable Concentrate               |                        |                   |            |
| Aldrin .....  | 44.00                  | 43.75             | Passed     |
| do .....  | 44.00                  | 46.08             | Passed     |

| Manufacturers and Brands  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>Planters Chemical Corp.</b>                                      |                        |                   |                |
| Planters 5% Aldrin Granular   |                        |                   |                |
| Aldrin .....  | 5.00                   | 5.46              | Passed         |
| Planters 10% Aldrin Granular  |                        |                   |                |
| Aldrin .....  | 10.00                  | 10.69             | Not Registered |
| Planters 4 lb. Aldrin Emulsion Concentrate                          |                        |                   |                |
| Aldrin .....  | 44.00                  | 45.14             | Passed         |
| <b>ALDRIN-CAPTAN</b>  |                        |                   |                |
| <b>Bonide Chemical Company, Inc.</b>                                |                        |                   |                |
| New Bonide Crotox Powder Seed Protector                             |                        |                   |                |
| Aldrin .....  | 5.00                   |                   | Passed         |
| Captan .....  | 12.50                  |                   |                |
| Theoretical chlorine .....  | 7.34                   | 7.81              |                |
| <b>Chevron Chemical Company—Ortho Div.</b>                          |                        |                   |                |
| Ortho Bird Repellent and Seed Protectant                            |                        |                   |                |
| Aldrin .....  | 20.00                  |                   | Deficient      |
| Captan .....  | 12.50                  |                   |                |
| Theoretical chlorine .....  | 16.07                  | 14.75             |                |
| <b>ALDRIN-DIELDRIN</b>  |                        |                   |                |
| <b>Rigo Manufacturing Co.</b>                                       |                        |                   |                |
| Kill-Ko Ant Bait  |                        |                   |                |
| Aldrin .....  | 1.50                   |                   | Not Registered |
| Dieldrin .....  | 0.50                   |                   |                |
| Theoretical chlorine .....  | 1.15                   | 1.09              |                |
| <b>AMITROLE</b>   |                        |                   |                |
| <b>Amchem Products, Inc.</b>  |                        |                   |                |
| Amchem Poison Ivy Killer (Aerosol)                                  |                        |                   |                |
| Amitrole .....  | 1.00                   | 0.97              | Passed         |
| <b>American Chemical Paint Co.<br/>(Now: Amchem Products, Inc.)</b> |                        |                   |                |
| ACP Poison Ivy Killer   |                        |                   |                |
| Amitrole .....  | 12.50                  | 13.09             | Passed         |



| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

## ARSENICALS

## ARSENIC TRIOXIDE

## Carajon Chemical Company, Inc.

## Force's Mole Killer

|                        |      |      |           |
|------------------------|------|------|-----------|
| Arsenic trioxide ..... | 5.00 | 3.64 | Deficient |
| do .....               | 5.00 | 5.31 | Passed    |
| do .....               | 5.00 | 4.96 | Passed    |

## Carter's Drugs

## Shuco Rat Poison

|                        |      |      |        |
|------------------------|------|------|--------|
| Arsenic trioxide ..... | 2.00 | 2.03 | Passed |
|------------------------|------|------|--------|

## Singletary and Company, Inc.

## Singletary's Pest Control

|                        |      |       |                                |
|------------------------|------|-------|--------------------------------|
| Arsenic trioxide ..... | 3.50 | 6.71  | Excessive<br>Active Ingredient |
| do .....               | 3.50 | 4.77  | Passed                         |
| do .....               | 3.50 | 10.31 | Excessive<br>Active Ingredient |

## CALCIUM ARSENATE-METALDEHYDE

## Chevron Chemical Company—Ortho Div.

## Ortho Bug-Geta Pellets

|   |      |      |        |
|---|------|------|--------|
| Calcium arsenate .....                      | 5.00 | 5.68 | Passed |
| Metaldehyde .....                           | 3.25 | 3.98 |        |
| Arsenate as metallic .....                  | 1.88 | 2.14 |        |
| Arsenic as water soluble (not more than) .. | 1.88 | 0.10 |        |

|   |      |      |        |
|---|------|------|--------|
| Calcium arsenate .....                      | 5.00 | 6.00 | Passed |
| Metaldehyde .....                           | 3.25 | 3.94 |        |
| Arsenate as metallic .....                  | 1.88 | 2.26 |        |
| Arsenic as water soluble (not more than) .. | 1.88 | 0.79 |        |

|   |      |      |        |
|---|------|------|--------|
| Calcium arsenate .....                      | 5.00 | 5.87 | Passed |
| Metaldehyde .....                           | 3.25 | 3.79 |        |
| Arsenate as metallic .....                  | 1.88 | 2.21 |        |
| Arsenic as water soluble (not more than) .. | 1.88 | 0.60 |        |

|   |      |      |        |
|---|------|------|--------|
| Calcium arsenate .....                      | 5.00 | 6.48 | Passed |
| Metaldehyde .....                           | 3.25 | 4.23 |        |
| Arsenate as metallic .....                  | 1.88 | 2.44 |        |
| Arsenic as water soluble (not more than) .. | 1.88 | 0.92 |        |

| Manufacturers and Brands                    | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>Pearson and Co.</b>                      |                        |                   |                |
| Pearson's Kwik-Kill Bait                    |                        |                   |                |
| Calcium arsenate .....                      | 5.00                   | 6.03              | Not Registered |
| Metaldehyde .....                           | 2.00                   | 2.36              |                |
| Arsenate as metallic .....                  | 1.88                   | 2.27              |                |
| Arsenic as water soluble (not more than) .. | 0.035                  | 0.52              |                |
| <b>COPPER ACETOARSENITE</b>                 |                        |                   |                |
| <b>The Sherwin-Williams Co.</b>             |                        |                   |                |
| Sherwin-Williams Paris Green                |                        |                   |                |
| Copper acetoarsenite .....                  | 90.00                  | 94.66             | Passed         |
| Arsenic as metallic .....                   | 40.00                  | 41.97             |                |
| Arsenic as water soluble (not more than) .. | 2.70                   | 0.78              |                |
| Copper as metallic .....                    | 23.00                  | 24.13             |                |
| <b>DIMETHYLARSINIC ACID</b>                 |                        |                   |                |
| <b>O. M. Scott and Sons Co.</b>             |                        |                   |                |
| Scotts Erase                                |                        |                   |                |
| Dimethylarsinic acid .....                  | 7.20                   | 7.84              | Passed         |
| <b>DISODIUM METHANEARSONATE</b>             |                        |                   |                |
| <b>Chapman Chemical Co.</b>                 |                        |                   |                |
| Chapman Liquid DSMA "Plus"                  |                        |                   |                |
| Disodium methanearsonate .....              | 18.92                  | 18.95             | Passed         |
| <b>LEAD ARSENATE</b>                        |                        |                   |                |
| <b>Acme Quality Paints, Inc.</b>            |                        |                   |                |
| (Registered by The Sherwin-Williams Co.)    |                        |                   |                |
| Acme Arsenate of Lead                       |                        |                   |                |
| Lead arsenate .....                         | 98.00                  | 100.00            | Passed         |
| Arsenic as metallic .....                   | 21.15                  | 21.62             |                |
| Arsenic as water soluble (not more than) .. | 0.50                   | 0.25              |                |
| Lead as metallic .....                      | 58.00                  | 59.56             |                |
| <b>Allied Chemical Corp.</b>                |                        |                   |                |
| <b>Nitrogen Div.</b>                        |                        |                   |                |
| Arcadian Powdered Standard Lead Arsenate    |                        |                   |                |
| Lead arsenate .....                         | 98.00                  | 98.47             | Passed         |
| Arsenic as metallic .....                   | 20.50                  | 21.25             |                |
| Arsenic as water soluble (not more than) .. | 0.25                   | 0.22              |                |
| Lead as metallic .....                      | 58.50                  | 58.79             |                |



| Manufacturers and Brands  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions  |
|---|------------------------|-------------------|--|
| <b>California Chemical Company—Ortho Div.</b><br>(Now: Chevron Chemical Company—Ortho Div.) |                        |                   |  |
| Ortho Standard Lead Arsenate  |                        |                   |  |
| Lead arsenate .....   | 95.00                  | 96.66             | Passed   |
| Arsenic as metallic .....   | 20.50                  | 20.86             |  |
| Arsenic as water soluble (not more than) ..   | 0.50                   | 0.35              |  |
| Lead as metallic .....  | 56.70                  | 58.67             |  |
| <b>DeSoto Chemical Company, Inc.</b>  |                        |                   |  |
| Gator Roach Hives   |                        |                   |  |
| Lead arsenate .....   | 16.20                  | 19.74             | Passed   |
| Arsenic as metallic .....   | 3.50                   | 4.26              |  |
| Arsenic as water soluble (not more than) ..   | 0.10                   | 0.03              |  |
| Lead arsenate .....   | 16.20                  | 18.81             | Passed   |
| Arsenic as metallic .....   | 3.50                   | 4.06              |  |
| Arsenic as water soluble (not more than) ..   | 0.10                   | 0.04              |  |
| Lead arsenate .....   | 16.20                  | 18.67             | Passed   |
| Arsenic as metallic .....   | 3.50                   | 4.03              |  |
| Arsenic as water soluble (not more than) ..   | 0.10                   | 0.03              |  |
| <b>The Piper Company, Inc.</b>  |                        |                   |  |
| Paket Roach Bait  |                        |                   |  |
| Lead arsenate .....   | 16.20                  | 29.84             | Excessive<br>Active Ingredient<br>Not Registered |
| Arsenic as metallic .....   | 3.50                   | 6.44              |  |
| Arsenic as water soluble (not more than) ..   | 0.10                   | 0.07              |  |
| <b>Woolfolk Chemical Works, Ltd.</b>  |                        |                   |  |
| Security Brand Lead Arsenate  |                        |                   |  |
| Lead arsenate .....   | 97.00                  | 95.74             | Passed   |
| Arsenic as metallic .....   | 20.90                  | 20.66             |  |
| Arsenic as water soluble (not more than) ..   | 0.33                   | 0.02              |  |
| Lead as metallic .....  | 57.80                  | 58.34             |  |
| <b>United Co-Operatives, Inc.</b>   |                        |                   |  |
| Unico Lead Arsenate (Standard)  |                        |                   |  |
| Lead arsenate .....   | 96.00                  | 97.40             | Passed   |
| Arsenic as metallic .....   | 20.72                  | 21.02             |  |
| Arsenic as water soluble (not more than) ..   | 0.50                   | 0.34              |  |
| Lead as metallic .....  | 58.00                  | 57.93             |  |
| Lead arsenate .....   | 96.00                  | 96.25             | Passed   |
| Arsenic as metallic .....   | 20.72                  | 20.77             |  |
| Arsenic as water soluble (not more than) ..   | 0.50                   | 0.28              |  |
| Lead as metallic .....  | 58.00                  | 58.38             |  |

| Manufacturers and Brands                     | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions            |
|--|------------------------|-------------------|----------------------|
| <b>MONOSODIUM ACID METHANEARSONATE</b>       |                        |                   |                      |
| <b>The Ansul Co.</b>                         |                        |                   |                      |
| Ansar 529                                    |                        |                   |                      |
| Monosodium acid methanearsonate .....        | 34.80                  | 35.80             | Passed               |
| <b>Diamond Alkali Co.</b>                    |                        |                   |                      |
| Diamond Arsonate Herbicide Daconate          |                        |                   |                      |
| Monosodium acid methanearsonate .....        | 34.66                  | 33.83             | Passed               |
| <b>MONOSODIUM ACID METHANEARSONATE-NOREA</b> |                        |                   |                      |
| <b>Daly-Herring Co.</b>                      |                        |                   |                      |
| Weed-Ban                                     |                        |                   |                      |
| Monosodium acid methanearsonate .....        | 29.00                  | 28.04             | Excessive            |
| Norea .....                                  | 13.70                  | 17.66             | Active<br>Ingredient |
| <b>SODIUM ARSENATE</b>                       |                        |                   |                      |
| <b>Atla Chemical Company, Inc.</b>           |                        |                   |                      |
| Atla Anti-Ant                                |                        |                   |                      |
| Sodium arsenate .....                        | 1.88                   | 2.08              | Passed               |
| do .....                                     | 1.88                   | 2.41              | Passed               |
| do .....                                     | 1.88                   | 2.25              | Passed               |
| <b>Harris Products Company, Inc.</b>         |                        |                   |                      |
| "Ant Buttons"                                |                        |                   |                      |
| Sodium arsenate .....                        | 1.71                   | 1.74              | Passed               |
| do .....                                     | 1.71                   | 1.88              | Passed               |
| <b>Ligons</b>                                |                        |                   |                      |
| Ligon's Ant Exterminator                     |                        |                   |                      |
| Sodium arsenate .....                        | 3.00                   | 2.85              | Not Registered       |
| <b>Senoret Chemical Company, Inc.</b>        |                        |                   |                      |
| Terro Ant Killer                             |                        |                   |                      |
| Sodium arsenate .....                        | 2.27                   | 2.21              | Passed               |



| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>SODIUM ARSENITE</b>   |                        |                   |                |
| <b>Chevron Chemical Company—Ortho Div.</b>   |                        |                   |                |
| Ortho Triox Kills Vegetation   |                        |                   |                |
| Sodium arsenite .....  | 55.00                  | 54.55             | Passed         |
| <b>Chipman Chemical Company, Inc.</b>  |                        |                   |                |
| Atlas "A"  |                        |                   |                |
| Sodium arsenite .....  | 44.00                  | 43.19             | Passed         |
| <b>Smith-Douglass Company, Inc.<br/>(Now: The Borden Chemical Co.<br/>Smith-Douglass Div.)</b> |                        |                   |                |
| Nutro Kill-All   |                        |                   |                |
| Sodium arsenite .....  | 40.00                  | 40.64             | Passed         |
| <b>Woolfolk Chemical Works, Ltd.</b>   |                        |                   |                |
| Security Brand 40% Solution Sodium Arsenite  |                        |                   |                |
| Sodium arsenite .....  | 40.00                  | 40.71             | Not Registered |
| <b>TRICALCIUM ARSENATE-COPPER</b>  |                        |                   |                |
| <b>Woolfolk Chemical Works, Ltd.</b>   |                        |                   |                |
| Security Brand Tomato Dust   |                        |                   |                |
| Tricalcium arsenate .....  | 60.00                  | 60.66             | Passed         |
| Arsenic as metallic .....  | 22.69                  | 22.83             |                |
| Arsenic as water soluble (not more than) ..  | 0.49                   | 0.01              |                |
| Copper as metallic .....   | 7.00                   | 7.25              |                |
| <b>TRICALCIUM ARSENATE-METALDEHYDE</b>   |                        |                   |                |
| <b>Boyle-Midway Inc.</b>   |                        |                   |                |
| Snarol Pellets   |                        |                   |                |
| Tricalcium arsenate .....  | 5.00                   | 5.18              | Passed         |
| Metaldehyde .....  | 3.15                   | 3.03              |                |
| Arsenic as metallic .....  | 1.88                   | 1.95              |                |
| Arsenic as water soluble (not more than) ..  | 1.25                   | 0.50              |                |
| <b>ATRAZINE</b>  |                        |                   |                |
| <b>Geigy Agricultural Chemicals</b>  |                        |                   |                |
| Geigy Atrazine 80W   |                        |                   |                |
| Atrazine .....   | 80.00                  | 77.22             | Passed         |
| do .....   | 80.00                  | 78.52             | Passed         |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                      |
|--|------------------------|-------------------|--------------------------------|
| ATRAZINE-LINURON   |                        |                   |                                |
| W. R. Grace and Co.<br>Agricultural Products Div.                                    |                        |                   |                                |
| Naco Klen Korn 30-30 Weed Killer   |                        |                   |                                |
| Atrazine .....   | 30.80                  |                   | Not Registered                 |
| Linuron .....  | 30.80                  |                   |                                |
| Theoretical nitrogen .....   | 13.46                  | 13.76             |                                |
| BAYTEX   |                        |                   |                                |
| Ralston Purina Co.   |                        |                   |                                |
| Baytex Spray Concentrate   |                        |                   |                                |
| Baytex .....   | 46.10                  | 46.02             | Passed                         |
| do .....   | 46.10                  | 54.22             | Excessive<br>Active Ingredient |
| BHC  |                        |                   |                                |
| California Chemical Company—Ortho Div.<br>(Now: Chevron Chemical Company—Ortho Div.) |                        |                   |                                |
| Ortho Isotox Transplanter Solution   |                        |                   |                                |
| Gamma isomer of BHC .....  | 5.00                   | 7.28              | Excessive<br>Active Ingredient |
| do .....   | 7.50                   | 7.70              | Passed                         |
| Chevron Chemical Company—Ortho Div.  |                        |                   |                                |
| Ortho Isotox Transplanter Solution   |                        |                   |                                |
| Gamma isomer of BHC .....  | 7.50                   | 7.67              | Passed                         |
| Carolina Chemical Corp.  |                        |                   |                                |
| Champion Transplantox  |                        |                   |                                |
| Gamma isomer of BHC .....  | 5.00                   | 5.04              | Not Registered                 |
| W. R. Grace and Co.<br>Agricultural Products Div.                                    |                        |                   |                                |
| Maxwell 1% Lindane Dust  |                        |                   |                                |
| Gamma isomer of BHC .....  | 1.00                   | 1.20              | Passed                         |

| Manufacturers and Brands  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>Pennsalt Chemicals Corp.<br/>Agricultural Chemicals Div.</b> |                        |                   |                |
| Penco Lindane W-25  |                        |                   |                |
| Gamma isomer of BHC .....                                       | 25.00                  | 23.39             | Deficient      |
| <b>Planters Chemical Corp.</b>                                  |                        |                   |                |
| Planters 1% Lindane Dust  |                        |                   |                |
| Gamma isomer of BHC .....                                       | 1.00                   | 0.95              | Passed         |
| <b>Swift and Co.<br/>Agricultural Chemical Div.</b>             |                        |                   |                |
| Swift's Gold Bear BHC-B-1-E                                     |                        |                   |                |
| Gamma isomer of BHC .....                                       | 11.50                  | 12.20             | Passed         |
| <b>Thompson-Hayward Chemical Co.</b>                            |                        |                   |                |
| De-Pester Lindane E-1   |                        |                   |                |
| Gamma isomer of BHC .....                                       | 12.50                  | 11.98             | Not Registered |
| <b>United Co-Operatives, Inc.</b>                               |                        |                   |                |
| Unico 12% Gamma BHC Wettable Powder                             |                        |                   |                |
| Gamma isomer of BHC .....                                       | 12.00                  | 11.80             | Passed         |
| do .....  | 12.00                  | 11.96             | Passed         |
| Unico Lindane Emulsifiable Concentrate                          |                        |                   |                |
| Gamma isomer of BHC .....                                       | 20.00                  | 19.39             | Passed         |
| <b>Vaporette, Inc.</b>  |                        |                   |                |
| Insectron Vaporette Bug Killer                                  |                        |                   |                |
| Gamma isomer of BHC .....                                       | 100.00                 | 97.94             | Not Registered |
| <b>Woolfolk Chemical Works, Ltd.</b>                            |                        |                   |                |
| Security Brand Benzex Hexachloride                              |                        |                   |                |
| Gamma isomer of BHC .....                                       | 6.00                   | 6.22              | Passed         |
| Security Brand BHC Concentrate Emulsifiable                     |                        |                   |                |
| Gamma isomer of BHC .....                                       | 11.70                  | 12.35             | Passed         |
| do .....  | 11.70                  | 11.24             | Passed         |



| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**BHC-ARAMITE-DDT-KARATHANE-ZINEB****Black Leaf Products Co.**

## Rose Leaf Floral Dust

|                            |      |      |        |
|----------------------------|------|------|--------|
| Gamma isomer of BHC .....  | 1.00 |      | Passed |
| Aramite .....              | 1.50 |      |        |
| DDT .....                  | 5.00 |      |        |
| Karathane .....            | 1.00 |      |        |
| Zineb .....                | 3.90 |      |        |
| Theoretical chlorine ..... | 3.39 | 3.55 |        |
| Theoretical nitrogen ..... | 0.48 | 0.47 |        |

**BHC-DDT****Daly-Herring Co.**

## D-H BHC-DDT 3-5 Dust

|                           |      |      |                |
|---------------------------|------|------|----------------|
| Gamma isomer of BHC ..... | 3.00 | 3.41 | Not Registered |
| DDT .....                 | 5.00 | 5.25 |                |

**Kerr-McGee Chemical Corp.  
Molony Div.**

## Kerr-McGee 3-10-0 BHC Cotton Dust

|                           |       |      |        |
|---------------------------|-------|------|--------|
| Gamma isomer of BHC ..... | 3.00  | 3.45 | Passed |
| DDT .....                 | 10.00 | 9.80 |        |

**Woolfolk Chemical Works, Ltd.**

## Security Brand 3-10-0 Cotton Dust

|                           |       |       |        |
|---------------------------|-------|-------|--------|
| Gamma isomer of BHC ..... | 3.00  | 3.44  | Passed |
| DDT .....                 | 10.00 | 10.61 |        |

**BHC-DDT-FERBAM-SULFUR****Southern Agricultural Insecticides, Inc.**

## SA-50 Brand Rose Dust

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Gamma isomer of BHC .....  | 1.00  |       | Passed |
| DDT .....                  | 5.00  |       |        |
| Ferbam .....               | 6.50  | 6.47  |        |
| Sulfur .....               | 54.00 | 53.15 |        |
| Theoretical chlorine ..... | 3.23  | 3.30  |        |

| Manufacturers and Brands                | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>BHC-DDT-KARATHANE-KELTHANE-ZINEB</b> |                        |                   |           |
| <b>Rigo Manufacturing Co.</b>           |                        |                   |           |
| <b>Kill-Ko Rose Dust</b>                |                        |                   |           |
| Gamma isomer of BHC .....               | 1.00                   |                   | Passed    |
| DDT .....                               | 5.00                   |                   |           |
| Karathane .....                         | 1.00                   |                   |           |
| Kelthane .....                          | 1.50                   |                   |           |
| Zineb .....                             | 3.90                   |                   |           |
| Theoretical chlorine .....              | 3.95                   | 3.95              |           |
| Theoretical nitrogen .....              | 0.47                   | 0.62              |           |

**BHC-DDT-THANITE****Esso, Inc.****(Now: Humble Oil and Refining Co.)****Flit Fly and Mosquito Killer**

|                            |      |      |        |
|----------------------------|------|------|--------|
| Gamma isomer of BHC .....  | 0.75 |      | Passed |
| DDT .....                  | 1.75 |      |        |
| Thanite .....              | 1.00 | 1.00 |        |
| Theoretical chlorine ..... | 0.93 | 0.94 |        |

**BHC-DIBROM****Chevron Chemical Company—Ortho Div.****Ortho Ant and Roach Bomb**

|                           |      |      |        |
|---------------------------|------|------|--------|
| Gamma isomer of BHC ..... | 0.25 | 0.30 | Passed |
| Dibrom .....              | 0.50 | 0.87 |        |

**BHC—HEXACHLOROPHENE—2,2'THIOBIS (4-6 DICHLOROPHENOL)****Dr. LeGear, Inc.****(Now: LeGear Laboratories, Inc.)****LeGear Flea and Tick Powder**

|  |      |      |        |
|--|------|------|--------|
| Gamma isomer of BHC .....              | 1.00 |      | Passed |
| Hexachlorophene .....                  | 1.00 |      |        |
| 2,2'Thiobis (4-6 dichlorophenol) ..... | 1.00 |      |        |
| Theoretical chlorine .....             | 1.65 | 1.60 |        |
| Gamma isomer of BHC .....              | 1.00 |      | Passed |
| Hexachlorophene .....                  | 1.00 |      |        |
| 2,2'Thiobis (4-6 dichlorophenol) ..... | 1.00 |      |        |
| Theoretical chlorine .....             | 1.65 | 1.77 |        |
| Gamma isomer of BHC .....              | 1.00 |      | Passed |
| Hexachlorophene .....                  | 1.00 |      |        |
| 2,2'Thiobis (4-6 dichlorophenol) ..... | 1.00 |      |        |
| Theoretical chlorine .....             | 1.65 | 1.65 |        |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| <b>BHC-KARATHANE-KELTHANE-SEVIN-ZINEB</b>                            |                        |                   |           |
| <b>Woolfolk Chemical Works, Ltd.</b>                                 |                        |                   |           |
| Security Brand Pan Plant Dust  |                        |                   |           |
| Gamma isomer of BHC .....  | 1.00                   |                   | Passed    |
| Karathane .....  | 1.00                   |                   |           |
| Kelthane .....   | 2.00                   |                   |           |
| Sevin .....  | 5.00                   |                   |           |
| Zineb .....  | 6.00                   |                   |           |
| Theoretical chlorine .....   | 1.69                   | 1.89              |           |
| Theoretical nitrogen .....   | 1.04                   | 1.28              |           |
| <b>BHC-MANEH</b>   |                        |                   |           |
| <b>Daly-Herring Co.</b>  |                        |                   |           |
| D-H Cucumber-Melon Special Dust                                      |                        |                   |           |
| Gamma isomer of BHC.....   | 0.75                   | 0.93              | Passed    |
| Maneb .....  | 4.20                   | 3.99              |           |
| Gamma isomer of BHC .....  | 0.75                   | 0.75              | Deficient |
| Maneb .....  | 4.20                   | 2.91              |           |
| Gamma isomer of BHC.....   | 0.75                   | 1.31              | Deficient |
| Maneb .....  | 4.20                   | 2.76              |           |
| <b>Southern Agricultural Insecticides, Inc.</b>                      |                        |                   |           |
| SA-50 Brand Cucumber and Squash Dust<br>containing Maneb and Lindane |                        |                   |           |
| Gamma isomer of BHC.....   | 1.00                   | 1.20              | Deficient |
| Maneb .....  | 5.60                   | 4.27              |           |
| Gamma isomer of BHC.....   | 1.00                   | 1.08              | Passed    |
| Maneb .....  | 5.60                   | 5.51              |           |
| <b>BHC-METHOXYCHLOR-SULFUR</b>                                       |                        |                   |           |
| <b>Ralston Purina Co.</b>  |                        |                   |           |
| Purina Insect Killer   |                        |                   |           |
| Gamma isomer of BHC.....   | 0.50                   |                   | Passed    |
| Methoxychlor .....   | 2.50                   |                   |           |
| Sulfur .....   | 10.00                  | 10.69             |           |
| Theoretical chlorine .....   | 1.13                   | 1.24              |           |
| Gamma isomer of BHC.....   | 0.50                   |                   | Passed    |
| Methoxychlor .....   | 2.50                   |                   |           |
| Sulfur .....   | 10.00                  | 11.00             |           |
| Theoretical chlorine .....   | 1.13                   | 1.24              |           |



| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**BHC-OVEX-PHALTAN-PYRETHRINS-ROTENONE****Chevron Chemical Company—Ortho Div.****Ortho Rose and Flower Spray**

|                            |       |         |        |
|----------------------------|-------|---------|--------|
| Gamma isomer of BHC.....   | 0.500 |         | Passed |
| Ovex .....                 | 0.125 |         |        |
| Phaltan .....              | 0.500 |         |        |
| Pyrethrins .....           | 0.025 | 0.031   |        |
| Rotenone .....             | 0.200 | Present |        |
| Theoretical chlorine ..... | 0.58  | 0.56    |        |

**BHC-PINE OIL****Allied Drug Products Co.****Dr. Thacker's Mange Cure**

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| Gamma isomer of BHC..... | 5.00  | 5.16  | Passed |
| Pine oil .....           | 65.00 | 67.66 |        |

**BHC-PIPERONYL BUTOXIDE-PYRETHRINS****California Chemical Company—Ortho Div.****(Now: Chevron Chemical Company—Ortho Div.)****Ortho Hornet and Wasp Bomb**

|                          |      |      |        |
|--------------------------|------|------|--------|
| Gamma isomer of BHC..... | 0.15 | 0.18 | Passed |
| Piperonyl butoxide ..... | 0.30 | 0.21 |        |
| Pyrethrins .....         | 0.04 | 0.06 |        |

**BHC-SULFUR****Ralston Purina Co.****Purina Hog and Cattle Dusting Powder**

|                          |       |      |        |
|--------------------------|-------|------|--------|
| Gamma isomer of BHC..... | 1.00  | 1.10 | Passed |
| Sulfur .....             | 10.00 | 9.98 |        |

**BHC-TOXAPHENE****California Chemical Company—Ortho Div.****(Now: Chevron Chemical Company—Ortho Div.)****Ortho Kleen Stock Spray or Dip**

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Gamma isomer of BHC.....   | 1.70  |       | Passed |
| Toxaphene .....            | 43.40 |       |        |
| Theoretical chlorine ..... | 30.32 | 30.33 |        |

| Manufacturers and Brands                        | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>William Cooper and Nephews, Inc.</b>         |                        |                   |                |
| Cooper Tox Extra                                |                        |                   |                |
| Gamma isomer of BHC .....                       | 1.96                   |                   | Not Registered |
| Toxaphene .....                                 | 45.00                  |                   |                |
| Theoretical chlorine .....                      | 31.58                  | 30.61             |                |
| <b>The Farnam Co.</b>                           |                        |                   |                |
| Farnam Toxanox Plus Livestock Spray Concentrate |                        |                   |                |
| Gamma isomer of BHC .....                       | 1.80                   |                   | Not Registered |
| Toxaphene .....                                 | 45.00                  |                   |                |
| Theoretical chlorine .....                      | 31.47                  | 30.73             |                |
| <b>Ralston Purina Co.</b>                       |                        |                   |                |
| Purina Range Cattle Spray                       |                        |                   |                |
| Gamma isomer of BHC .....                       | 0.45                   |                   | Passed         |
| Toxaphene .....                                 | 45.00                  |                   |                |
| Theoretical chlorine .....                      | 30.48                  | 31.02             |                |
| <b>Thompson-Hayward Chemical Co.</b>            |                        |                   |                |
| De-Pester Toxaphene-L Stock Spray and Dip       |                        |                   |                |
| Gamma isomer of BHC .....                       | 1.96                   |                   | Passed         |
| Toxaphene .....                                 | 45.00                  |                   |                |
| Theoretical chlorine .....                      | 31.58                  | 31.18             |                |
| <b>BORIC ACID</b>                               |                        |                   |                |
| <b>Best Enterprises, Ltd.</b>                   |                        |                   |                |
| Best's Roach Killer                             |                        |                   |                |
| Boric acid .....                                | 90.00                  | 92.76             | Passed         |
| <b>P. F. Harris Manufacturing Company, Inc.</b> |                        |                   |                |
| Harris Famous Roach Tablets                     |                        |                   |                |
| Boric acid .....                                | 40.00                  | 40.24             | Passed         |
| do .....  | 40.00                  | 40.84             | Passed         |
| do .....  | 40.00                  | 41.29             | Passed         |
| <b>Pest-Guard Products, Inc.</b>                |                        |                   |                |
| Pest-Guard Roach Tablets                        |                        |                   |                |
| Boric acid .....                                | 40.00                  | 41.01             | Passed         |
| do .....  | 40.00                  | 39.73             | Passed         |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

# **BORIC ACID-HEXACHLOROPHENE-PIPERONYL BUTOXIDE-PYRETHRINS-ROTENONE**

## **Westchester Veterinary Products**

Dr. Merrick's Scratchex Medicated Powder for Cats

|                          |      |      |        |
|--------------------------|------|------|--------|
| Boric acid .....         | 3.00 | 2.88 | Passed |
| Hexachlorophene .....    | 0.25 | 0.23 |        |
| Piperonyl butoxide ..... | 0.50 | 0.41 |        |
| Pyrethrins .....         | 0.05 | 0.05 |        |
| Rotenone .....           | 0.25 | 0.32 |        |

# **BORIC ACID-PIPERONYL BUTOXIDE-PYRETHRINS**

## **McCormick and Co.**

Bee Brand Roach Killer

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| Boric acid .....         | 15.00 | 16.20 | Passed |
| Piperonyl butoxide ..... | 2.00  | 2.41  |        |
| Pyrethrins .....         | 0.33  | 0.34  |        |

## **Meadows Chemicals, Inc.**

Jaygol Kills Roaches

|                          |        |        |        |
|--------------------------|--------|--------|--------|
| Boric acid .....         | 94.160 | 94.990 | Passed |
| Piperonyl butoxide ..... | 0.019  | 0.016  |        |
| Pyrethrins .....         | 0.019  | 0.026  |        |

# **CALCIUM CYANIDE**

## **American Cyanamid Co.**

Cyanogas Ant-Killer

|                       |       |       |           |
|-----------------------|-------|-------|-----------|
| Calcium cyanide ..... | 42.00 | 37.28 | Deficient |
| do .....              | 42.00 | 42.83 | Passed    |
| do .....              | 42.00 | 40.10 | Passed    |

# **CALCIUM POLYSULFIDE**

## **Acme Quality Paints, Inc.**

(Registered by The Sherwin-Williams Co.)

Acme Lime Sulfur Spray

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Calcium polysulfides ..... | 29.00 | 28.11 | Passed |
|----------------------------|-------|-------|--------|

## **Woolfolk Chemical Works, Ltd.**

Security Brand Lime Sulphur Solution 32° BE

|                            |       |       |                |
|----------------------------|-------|-------|----------------|
| Calcium polysulfides ..... | 30.00 | 28.52 | Not Registered |
|----------------------------|-------|-------|----------------|



| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**CALCIUM POLYSULFIDE-CALCIUM THIOSULFATE**

Farmers Cooperative Exchange, Inc.  
(Now: FCX, Inc.)

FCX Lime Sulphur Solution

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Calcium polysulfides ..... | 29.00 | 30.68 | Passed |
| Calcium thiosulfate .....  | 1.00  | 2.18  |        |

**CAPTAN**

Chevron Chemical Company—Ortho Div.

Ortho Soybean Seed Protectant (MO)

|              |       |       |        |
|--------------|-------|-------|--------|
| Captan ..... | 25.00 | 24.78 | Passed |
|--------------|-------|-------|--------|

Orthocide 50 Wettable (50% Captan)

|              |       |       |        |
|--------------|-------|-------|--------|
| Captan ..... | 50.00 | 49.90 | Passed |
|--------------|-------|-------|--------|

Stauffer Chemical Co.

Stauffer Captan 50-WP

|              |       |       |        |
|--------------|-------|-------|--------|
| Captan ..... | 50.00 | 48.70 | Passed |
| do .....     | 50.00 | 48.90 | Passed |
| do .....     | 50.00 | 50.70 | Passed |

**CAPTAN-KARATHANE-PIPERONYL BUTOXIDE-PYRETHRINS-ROTENONE**

Thompson Chemicals Corp.

Thompson Chemicals Rose and Garden Bomb

|                            |      |         |                |
|----------------------------|------|---------|----------------|
| Captan .....               | 0.50 |         | Not Registered |
| Karathane .....            | 0.20 |         |                |
| Piperonyl butoxide .....   | 0.26 | 0.32    |                |
| Pyrethrins .....           | 0.02 | 0.03    |                |
| Rotenone .....             | 0.13 | Present |                |
| Theoretical nitrogen ..... | 0.04 | 0.06    |                |

**CAPTAN-MALATHION-METHOXYCHLOR**

Acme Quality Paints, Inc.

(Registered by The Sherwin-Williams Co.)

Acme Fruit Tree Spray

|                            |       |      |        |
|----------------------------|-------|------|--------|
| Captan .....               | 12.00 |      | Passed |
| Malathion .....            | 6.00  | 6.78 |        |
| Methoxychlor .....         | 12.00 |      |        |
| Theoretical chlorine ..... | 7.90  | 7.85 |        |

| Manufacturers and Brands  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                   |
|---|------------------------|-------------------|-----------------------------|
| <b>Chevron Chemical Company—Ortho Div.</b>                                    |                        |                   |                             |
| Ortho Home Orchard Spray  |                        |                   |                             |
| Captan .....  | 15.00                  |                   | Deficient                   |
| Malathion .....   | 7.50                   | 6.77              |                             |
| Methoxychlor .....  | 15.00                  |                   |                             |
| Theoretical chlorine .....  | 9.87                   | 10.15             |                             |
| <b>The Parrott Chemical Co.</b>   |                        |                   |                             |
| Lucky Strike Malcap   |                        |                   |                             |
| Captan .....  | 8.00                   |                   | Not Registered              |
| Malathion .....   | 4.00                   | 3.81              |                             |
| Methoxychlor .....  | 8.00                   |                   |                             |
| Theoretical chlorine .....  | 5.26                   | 5.67              |                             |
| <b>Science Products Company, Inc.</b>   |                        |                   |                             |
| Science Garden Dust for Tomatoes and Vegetables                               |                        |                   |                             |
| Captan .....  | 5.00                   |                   | Deficient<br>Not Registered |
| Malathion .....   | 5.00                   | 2.33              |                             |
| Methoxychlor .....  | 5.00                   |                   |                             |
| Theoretical chlorine .....  | 3.31                   | 3.24              |                             |
| <b>CAPTAN-MALATHION-METHOXYCHLOR-SULFUR</b>                                   |                        |                   |                             |
| <b>Boyle-Midway Inc.</b>  |                        |                   |                             |
| Antrol Mult-Purpose Dust  |                        |                   |                             |
| Captan .....  | 4.00                   |                   | Passed                      |
| Malathion .....   | 4.00                   | 3.99              |                             |
| Methoxychlor .....  | 5.00                   |                   |                             |
| Sulfur .....  | 25.00                  | 26.84             |                             |
| Theoretical chlorine .....  | 2.94                   | 2.88              |                             |
| Captan .....  | 4.00                   |                   | Passed                      |
| Malathion .....   | 4.00                   | 4.85              |                             |
| Methoxychlor .....  | 5.00                   |                   |                             |
| Sulfur .....  | 25.00                  | 27.60             |                             |
| Theoretical chlorine .....  | 2.94                   | 2.98              |                             |
| <b>CAPTAN-METHOXYCHLOR-PIPERONYL BUTOXIDE-<br/>PYRETHRINS-ROTENONE-SULFUR</b> |                        |                   |                             |
| <b>Boyle-Midway Inc.</b>  |                        |                   |                             |
| Black Flag Garden Duster  |                        |                   |                             |
| Captan .....  | 4.00                   |                   | Passed                      |
| Methoxychlor .....  | 5.00                   |                   |                             |
| Piperonyl butoxide .....  | 0.50                   | 0.49              |                             |
| Pyrethrins .....  | 0.05                   | 0.15              |                             |
| Rotenone .....  | 0.25                   | Present           |                             |
| Sulfur .....  | 25.00                  | 27.16             |                             |
| Theoretical chlorine .....  | 2.94                   | 3.02              |                             |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>CAPTAN-TERRACHLOR</b>   |                        |                   |                |
| <b>California Chemical Company—Ortho Div.<br/>(Now: Chevron Chemical Company—Ortho Div.)</b> |                        |                   |                |
| Orthocide Soil Treater X   |                        |                   |                |
| Captan .....   | 10.00                  |                   | Passed         |
| Terrachlor .....   | 10.00                  |                   |                |
| Theoretical chlorine .....   | 9.54                   | 9.41              |                |
| <b>CHLORDANE</b>   |                        |                   |                |
| <b>Acme Quality Paints, Inc.<br/>(Registered by The Sherwin-Williams Co.)</b>                |                        |                   |                |
| Acme 6% Chlordane Dust   |                        |                   |                |
| Chlordane .....  | 6.00                   | 6.39              | Passed         |
| do .....   | 6.00                   | 6.26              | Passed         |
| Acme 10% Chlordane Dust for Ants   |                        |                   |                |
| Chlordane .....  | 10.00                  | 10.00             | Passed         |
| <b>Black Leaf Products Co.</b>   |                        |                   |                |
| Black Leaf 10% Chlordane Dust  |                        |                   |                |
| Chlordane .....  | 10.00                  | 9.86              | Not Registered |
| <b>Chevron Chemical Company—Ortho Div.</b>   |                        |                   |                |
| Ortho-Klor 10 Chlordane Dust   |                        |                   |                |
| Chlordane .....  | 10.00                  | 10.14             | Passed         |
| do .....   | 10.00                  | 9.86              | Passed         |
| Ortho Chlordane 8 Emulsive XB  |                        |                   |                |
| Chlordane .....  | 71.00                  | 50.16             | Deficient      |
| <b>Daly-Herring Co.</b>  |                        |                   |                |
| Dee Aitch 10% Granular Chlordane   |                        |                   |                |
| Chlordane .....  | 10.00                  | 9.71              | Not Registered |
| <b>Diamond Black Leaf Co.<br/>(Now: Black Leaf Products Co.)</b>                             |                        |                   |                |
| 45% Chlordane Spray  |                        |                   |                |
| Chlordane .....  | 45.00                  | 44.60             | Not Registered |



| Manufacturers and Brands                                       | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| <b>The d-Con Company, Inc.</b>                                 |                        |                   |           |
| d-Con Ant-Prufe Special Formula AP 200                         |                        |                   |           |
| Chlordane .....  | 2.00                   | 2.04              | Passed    |
| <b>Dragon Chemical Corp.</b>                                   |                        |                   |           |
| Dragon 10% Chlordane Dust                                      |                        |                   |           |
| Chlordane .....  | 10.00                  | 10.79             | Passed    |
| <b>E. I. du Pont de Nemours and Co.</b>                        |                        |                   |           |
| DuPont 6% Chlordane Dust                                       |                        |                   |           |
| Chlordane .....  | 6.00                   | 5.83              | Passed    |
| <b>E-Z-Flo Chemical Co.</b>                                    |                        |                   |           |
| E-Z-Flo Chloro 8 Spray   |                        |                   |           |
| Chlordane .....  | 72.00                  | 72.07             | Passed    |
| <b>Farmers Cooperative Exchange, Inc.<br/>(Now: FCX, Inc.)</b> |                        |                   |           |
| FCX 50% Wettable Chlordane Powder                              |                        |                   |           |
| Chlordane .....  | 50.00                  | 48.90             | Passed    |
| do .....   | 50.00                  | 50.33             | Passed    |
| <b>FCX, Inc.</b>   |                        |                   |           |
| FCX 5% Chlordane Granular                                      |                        |                   |           |
| Chlordane .....  | 5.00                   | 5.29              | Passed    |
| FCX Chlordane Emulsifiable Concentrate                         |                        |                   |           |
| Chlordane .....  | 45.00                  | 43.55             | Passed    |
| FCX 50% Chlordane Wettable Powder                              |                        |                   |           |
| Chlordane .....  | 50.00                  | 41.41             | Deficient |
| do .....   | 50.00                  | 50.00             | Passed    |
| FCX Chlordane 8 Emulsifiable Concentrate                       |                        |                   |           |
| Chlordane .....  | 72.00                  | 70.46             | Passed    |
| <b>W. R. Grace and Co.<br/>Agricultural Products Div.</b>      |                        |                   |           |
| Maxwell Roach and Ant Liquid                                   |                        |                   |           |
| Chlordane .....  | 2.00                   | 3.37              | Passed    |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                   |
|--|------------------------|-------------------|-----------------------------|
| <b>Maxwell Chlordane 8 Emulsifiable Concentrate</b>  |                        |                   |                             |
| Chlordane .....  | 71.36                  | 70.10             | Passed                      |
| do .....   | 71.36                  | 68.34             | Passed                      |
| do .....   | 72.00                  | 68.75             | Passed                      |
| do .....   | 72.00                  | 69.31             | Passed                      |
| <b>Hilo Products, Inc.</b>   |                        |                   |                             |
| <b>Hilo Kennel Spray</b>   |                        |                   |                             |
| Chlordane .....  | 2.00                   | 2.48              | Passed                      |
| <b>Maxwell Insecticide Company, Inc.<br/>(Now: W. R. Grace and Co.<br/>Agricultural Products Div.)</b> |                        |                   |                             |
| <b>Maxwell 40% Wettable Chlordane</b>  |                        |                   |                             |
| Chlordane .....  | 40.00                  | 33.50             | Deficient                   |
| <b>Rigo Manufacturing Co.</b>  |                        |                   |                             |
| <b>Kill-Ko 10% Chlordane Dust</b>  |                        |                   |                             |
| Chlordane .....  | 10.00                  | 8.29              | Deficient                   |
| <b>Kill-Ko 74% Chlordane Emulsifiable</b>  |                        |                   |                             |
| Chlordane .....  | 74.00                  | 72.57             | Passed                      |
| do .....   | 74.00                  | 69.72             | Deficient                   |
| <b>Sears, Roebuck and Co.</b>  |                        |                   |                             |
| <b>Sears 10% Chlordane Many Purpose Dust</b>   |                        |                   |                             |
| Chlordane .....  | 10.00                  | 10.29             | Passed                      |
| <b>Southern Agricultural Chemicals, Inc.</b>   |                        |                   |                             |
| <b>Royal Brand Chlordane Spray Concentrate</b>   |                        |                   |                             |
| Chlordane .....  | 72.00                  | 54.42             | Deficient<br>Not Registered |
| <b>Southern Agricultural Insecticides, Inc.</b>  |                        |                   |                             |
| <b>SA-50 Brand 10% Chlordane Dust</b>  |                        |                   |                             |
| Chlordane .....  | 10.00                  | 10.07             | Passed                      |
| <b>SA-50 Brand 10% Chlordane Granules</b>  |                        |                   |                             |
| Chlordane .....  | 10.00                  | 10.07             | Passed                      |
| do .....   | 10.00                  | 10.71             | Passed                      |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Standard Spray and Chemical Co.</b>                               |                        |                   |                |
| 72% Chlordane Emulsifiable   |                        |                   |                |
| Chlordane .....  | 71.90                  | 72.01             | Not Registered |
| <b>Swift and Co.<br/>Agricultural Chemical Div.</b>                  |                        |                   |                |
| End-O-Pest 10% Chlordane Dust  |                        |                   |                |
| Chlordane .....  | 10.00                  | 9.93              | Not Registered |
| Vigoro End-O-Pest 10% Chlordane Dust                                 |                        |                   |                |
| Chlordane .....  | 10.00                  | 10.07             | Not Registered |
| <b>Taylor Chemical Co.<br/>(Now: E-Z-Flo Chemical Co.)</b>           |                        |                   |                |
| Superkill 10% Granular Chlordane                                     |                        |                   |                |
| Chlordane .....  | 10.00                  | 10.71             | Passed         |
| do .....   | 10.00                  | 10.64             | Passed         |
| <b>United Co-Operatives, Inc.</b>                                    |                        |                   |                |
| Unico Chlordane Dust   |                        |                   |                |
| Chlordane .....  | 6.00                   | 6.36              | Passed         |
| <b>Woolfolk Chemical Works, Ltd.</b>                                 |                        |                   |                |
| Security Brand 5% Chlordane Dust                                     |                        |                   |                |
| Chlordane .....  | 5.00                   | 5.11              | Passed         |
| Security Brand 10% Chlordane Dust                                    |                        |                   |                |
| Chlordane .....  | 10.00                  | 9.86              | Passed         |
| Security Brand Chlordane EC-8 Emulsifiable Concentrate               |                        |                   |                |
| Chlordane .....  | 72.80                  | 72.89             | Passed         |
| <b>CHLORDANE-BORIC ACID</b>  |                        |                   |                |
| <b>Heller Laboratories, Inc.<br/>A Division of B. Heller and Co.</b> |                        |                   |                |
| \$1000.00 Guaranteed Roach Killer                                    |                        |                   |                |
| Chlordane .....  | 0.20                   | 0.35              | Passed         |
| Boric acid .....   | 51.00                  | 50.96             |                |
| Chlordane .....  | 0.20                   | 0.34              | Passed         |
| Boric acid .....   | 51.00                  | 49.47             |                |



| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**CHLORDANE-DIAZINON****Greever's****Greever's Roach and Ant Powder**

|                 |      |      |        |
|-----------------|------|------|--------|
| Chlordane ..... | 3.00 | 2.90 | Passed |
| Diazinon .....  | 0.50 | 0.57 |        |

**CHLORDANE-DIAZINON-PYRETHRINS****Gulf Oil Corp.****Gulf Liquid Bug Killer**

|                  |      |      |        |
|------------------|------|------|--------|
| Chlordane .....  | 1.00 | 1.05 | Passed |
| Diazinon .....   | 0.33 | 0.39 |        |
| Pyrethrins ..... | 0.08 | 0.08 |        |

**Gulf Liquid Roach Ant Killer**

|                  |      |      |        |
|------------------|------|------|--------|
| Chlordane .....  | 1.00 | 1.04 | Passed |
| Diazinon .....   | 0.33 | 0.23 |        |
| Pyrethrins ..... | 0.08 | 0.09 |        |

**CHLORDANE-LETHANE 60-LETHANE 384****Swift and Co.****Agricultural Chemical Div.****End-O-Pest Ant and Lawn Insect Killer**

|                            |      |      |                |
|----------------------------|------|------|----------------|
| Chlordane .....            | 8.00 | 7.94 | Not Registered |
| Lethane 60 .....           | 0.75 |      |                |
| Lethane 384 .....          | 0.25 |      |                |
| Theoretical nitrogen ..... | 0.03 | 0.06 |                |

**CHLORDANE-PIPERONYL BUTOXIDE-PYRETHRINS****Boyle-Midway Inc.****Black Flag Insecticide Powder**

|                          |      |      |        |
|--------------------------|------|------|--------|
| Chlordane .....          | 1.50 | 1.95 | Passed |
| Piperonyl butoxide ..... | 0.35 | 0.23 |        |
| Pyrethrins .....         | 0.06 | 0.05 |        |

**CHLORDANE-PYRETHRINS****Gulf Oil Corp.****Gulf Ant Roach Bomb**

|                  |      |      |        |
|------------------|------|------|--------|
| Chlordane .....  | 2.00 | 1.92 | Passed |
| Pyrethrins ..... | 0.08 | 0.10 |        |

| Manufacturers and Brands  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>CIODRIN</b>  |                        |                   |           |
| <b>Philips Roxane Div.<br/>Thompson-Hayward Chemical Co.</b>  |                        |                   |           |
| De-Pester Ciodrin E-1   |                        |                   |           |
| Ciodrin .....   | 14.40                  | 16.44             | Passed    |
| <b>Shell Chemical Co.<br/>Agricultural Chemicals Div.</b>   |                        |                   |           |
| 3% Ciodrin Insecticide  |                        |                   |           |
| Ciodrin .....   | 3.00                   | 3.09              | Passed    |
| do .....  | 3.00                   | 3.19              | Passed    |
| <b>United Co-Operatives, Inc.</b>   |                        |                   |           |
| Unico 1% Ciodrin Insecticide Back Rubber Solution   |                        |                   |           |
| Ciodrin .....   | 1.00                   | 1.10              | Passed    |
| <b>COPPER</b>   |                        |                   |           |
| <b>Allied Chemical Corp.<br/>General Chemical Div.<br/>(Now: Allied Chemical Corp.—Nitrogen Div.)</b> |                        |                   |           |
| Allied Chemical Tribasic Bordeaux Powder  |                        |                   |           |
| Copper as metallic .....  | 12.75                  | 13.34             | Passed    |
| do .....  | 12.75                  | 12.33             | Passed    |
| <b>Black Leaf Products Co.</b>  |                        |                   |           |
| Black Leaf Tri-Basic Bordeaux Powder  |                        |                   |           |
| Copper as metallic .....  | 12.75                  | 12.50             | Passed    |
| <b>Park Chemical Company, Inc.</b>  |                        |                   |           |
| 6%-LCF Liquid Copper Fungicide  |                        |                   |           |
| Copper as metallic .....  | 6.00                   | 6.17              | Passed    |
| <b>Standard Spray and Chemical Co.</b>  |                        |                   |           |
| Standard Brand Copoloid-6   |                        |                   |           |
| Copper as metallic .....  | 6.00                   | 5.89              | Passed    |
| <b>Southern Agricultural Insecticides, Inc.</b>   |                        |                   |           |
| SA-50 Brand Tomato Dust   |                        |                   |           |
| Copper as metallic .....  | 7.00                   | 7.21              | Passed    |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**COPPER NAPHTHENATE****The Alcatraz Company, Inc.****Alcatraz No. 100 Copper Naphthenate Wood Preservative**

|                          |       |      |                |
|--------------------------|-------|------|----------------|
| Copper naphthenate ..... | 12.50 |      | Deficient      |
| Copper as metallic ..... | 1.00  | 0.80 | Not Registered |
| Copper naphthenate ..... | 12.50 |      | Not Registered |
| Copper as metallic ..... | 1.00  | 0.93 |                |

**Alcatraz No. 200 Copper Naphthenate Wood Preservative**

|                          |       |      |                |
|--------------------------|-------|------|----------------|
| Copper naphthenate ..... | 25.00 |      | Not Registered |
| Copper as metallic ..... | 2.00  | 2.16 |                |

**Clarke and Proctor Turpentine Company, Inc.****Oh Boy Copper Naphthenate Wood Preservative**

|                          |       |      |           |
|--------------------------|-------|------|-----------|
| Copper naphthenate ..... | 20.00 |      | Passed    |
| Copper as metallic ..... | 2.00  | 1.98 |           |
| Copper naphthenate ..... | 20.00 |      | Deficient |
| Copper as metallic ..... | 2.00  | 1.87 |           |

**Douglas Chemical Co.****Douglas Copper Naphthenate Wood Preservative**

|                          |       |      |           |
|--------------------------|-------|------|-----------|
| Copper naphthenate ..... | 13.00 |      | Passed    |
| Copper as metallic ..... | 1.00  | 1.00 |           |
| Copper naphthenate ..... | 13.00 |      | Deficient |
| Copper as metallic ..... | 1.00  | 0.73 |           |

**Shepard Chemical Works, Inc.****Shepard's Copper Naphthenate Wood Preservative**

|                          |       |      |        |
|--------------------------|-------|------|--------|
| Copper naphthenate ..... | 10.00 |      | Passed |
| Copper as metallic ..... | 1.00  | 1.05 |        |

**COPPER-SULFUR****Armour Agricultural Chemical Co.****Armagard Peanut Dust Copper-Sulfur 4-85**

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| Copper as metallic ..... | 4.00  | 4.18  | Passed |
| Sulfur .....             | 85.00 | 82.43 |        |



| Manufacturers and Brands                            | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>The Borden Chemical Co.</b>                      |                        |                   |                |
| <b>Smith-Douglass Div.</b>                          |                        |                   |                |
| Smith-Douglass Copper-Sulfur Dust for Peanuts       |                        |                   |                |
| Copper as metallic .....                            | 4.00                   | 4.15              | Passed         |
| Sulfur .....  | 85.00                  | 83.63             |                |
| Copper as metallic .....                            | 4.00                   | 3.74              | Deficient      |
| Sulfur .....  | 85.00                  | 84.68             |                |
| <b>Carolina Chemical Corp.</b>                      |                        |                   |                |
| Champion Peanut Dust                                |                        |                   |                |
| Copper as metallic .....                            | 4.00                   | 3.50              | Deficient      |
| Sulfur .....  | 80.00                  | 71.82             | Not Registered |
| Copper as metallic .....                            | 4.00                   | 3.04              | Deficient      |
| Sulfur .....  | 80.00                  | 67.60             | Not Registered |
| <b>Chevron Chemical Company—Ortho Div.</b>          |                        |                   |                |
| Ortho 3.4-70 Peanut Dust                            |                        |                   |                |
| Copper as metallic .....                            | 3.40                   | 3.15              | Deficient      |
| Sulfur .....  | 70.00                  | 70.61             |                |
| <b>Coastal Chemical Corp.</b>                       |                        |                   |                |
| Coastal 4% Metallic Copper 85.5 Sulphur Peanut Dust |                        |                   |                |
| Copper as metallic .....                            | 4.00                   | 4.11              | Deficient      |
| Sulfur .....  | 85.50                  | 81.02             |                |
| <b>Daly-Herring Co.</b>                             |                        |                   |                |
| D-H 4% Metallic Copper 85.5% Sulphur Peanut Dust    |                        |                   |                |
| Copper as metallic .....                            | 4.00                   | 4.28              | Passed         |
| Sulfur .....  | 85.50                  | 83.20             |                |
| <b>E-Z-Flo Chemical Co.</b>                         |                        |                   |                |
| E-Z-Flo Copper Sulphur Dust                         |                        |                   |                |
| Copper as metallic .....                            | 4.00                   | 3.63              | Deficient      |
| Sulfur .....  | 90.00                  | 89.95             |                |
| <b>FCX, Inc.</b>                                    |                        |                   |                |
| FCX Copper Sulphur Peanut Dust                      |                        |                   |                |
| Copper as metallic .....                            | 4.00                   | 3.96              | Passed         |
| Sulfur .....  | 85.56                  | 87.92             |                |
| Copper as metallic .....                            | 4.00                   | 4.01              | Passed         |
| Sulfur .....  | 85.56                  | 84.77             |                |

| Manufacturers and Brands                      | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>W. R. Grace and Co.</b>                    |                        |                   |           |
| <b>Agricultural Products Div.</b>             |                        |                   |           |
| Maxwell Copper-Sulphur Peanut Dust 4-80       |                        |                   |           |
| Copper as metallic .....                      | 4.00                   | 3.83              | Passed    |
| Sulfur .....                                  | 80.00                  | 83.05             |           |
| <b>Howerton Gowen Chemicals, Inc.</b>         |                        |                   |           |
| Gowen's Air Floated Copper Sulphur Dust       |                        |                   |           |
| Copper as metallic .....                      | 4.00                   | 4.33              | Passed    |
| Sulfur .....                                  | 90.00                  | 88.60             |           |
| <b>Meherrin Agricultural and Chemical Co.</b> |                        |                   |           |
| Red Kay 4% Copper-Sulphur Peanut Dust         |                        |                   |           |
| Copper as metallic .....                      | 4.00                   | 4.18              | Passed    |
| Sulfur .....                                  | 86.00                  | 82.46             |           |
| Copper as metallic .....                      | 4.00                   | 4.21              | Passed    |
| Sulfur .....                                  | 86.00                  | 82.70             |           |
| <b>Niagara Chemical Div.</b>                  |                        |                   |           |
| <b>FMC Corp.</b>                              |                        |                   |           |
| Niagara Peanut Dust 4-80                      |                        |                   |           |
| Copper as metallic .....                      | 4.00                   | 4.04              | Passed    |
| Sulfur .....                                  | 80.00                  | 80.86             |           |
| Copper as metallic .....                      | 4.00                   | 4.43              | Passed    |
| Sulfur .....                                  | 80.00                  | 81.61             |           |
| <b>Olin Mathieson Chemical Corp.</b>          |                        |                   |           |
| Mathieson Peanut Dust                         |                        |                   |           |
| Copper as metallic .....                      | 4.00                   | 3.86              | Passed    |
| Sulfur .....                                  | 89.00                  | 89.34             |           |
| <b>Royster Chemical Co.</b>                   |                        |                   |           |
| Royster Chem-Pest Peanut "485" Dust           |                        |                   |           |
| Copper as metallic .....                      | 4.00                   | 4.00              | Passed    |
| Sulfur .....                                  | 85.00                  | 86.20             |           |
| <b>COTORAN</b>                                |                        |                   |           |
| <b>Ciba Corp.</b>                             |                        |                   |           |
| Cotoran 80 WP Herbicide                       |                        |                   |           |
| Cotoran .....                                 | 80.00                  | 80.43             | Passed    |
| do .....                                      | 80.00                  | 79.27             | Passed    |

| Manufacturers and Brands                              | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>2,4-D</b>  |                        |                   |           |
| <b>Allied Chemical Corp.<br/>Agricultural Div.</b>    |                        |                   |           |
| Allied Chemical 2,4-D Amine Weed Killer               |                        |                   |           |
| Dimethylamine salt of 2,4-D .....                     | 49.40                  | 49.09             | Passed    |
| <b>The Dow Chemical Co.</b>                           |                        |                   |           |
| Dow Esteron 99  |                        |                   |           |
| Propylene glycol butyl ether<br>esters of 2,4-D ..... | 41.00                  | 41.86             | Passed    |
| Dow Formula 40  |                        |                   |           |
| Alkanolamine salts of 2,4-D .....                     | 65.00                  | 63.76             | Passed    |
| Dow Esteron 99 Concentrate                            |                        |                   |           |
| Propylene glycol butyl ether<br>esters of 2,4-D ..... | 72.80                  | 71.04             | Passed    |
| do .....  | 72.80                  | 71.34             | Passed    |
| <b>Olin Mathieson Chemical Corp.</b>                  |                        |                   |           |
| Mathieson Amine 40 Weed Killer                        |                        |                   |           |
| Dimethylamine salt of 2,4-D .....                     | 49.50                  | 48.94             | Passed    |
| <b>Judd Ringer Corp.</b>                              |                        |                   |           |
| Killer Kane Kartridges for Dandelions                 |                        |                   |           |
| 2,4-D .....   | 34.00                  | 33.03             | Passed    |
| <b>Thompson-Hayward Chemical Co.</b>                  |                        |                   |           |
| De-Pester Ded-Weed 40 Amine Salt                      |                        |                   |           |
| Dimethylamine salt of 2,4-D .....                     | 49.40                  | 50.45             | Passed    |
| <b>United Co-Operatives, Inc.</b>                     |                        |                   |           |
| Unico 2,4-D Amine Weed Killer                         |                        |                   |           |
| Dimethylamine salt of 2,4-D .....                     | 49.00                  | 49.08             | Passed    |
| <b>2,4-D-2,4,5-T</b>                                  |                        |                   |           |
| <b>Amchem Products, Inc.</b>                          |                        |                   |           |
| Weedone Brush Killer 32                               |                        |                   |           |
| Butoxy ethanol ester of 2,4-D .....                   | 22.60                  |                   | Passed    |
| Butoxy ethanol ester of 2,4,5-T .....                 | 10.80                  |                   |           |
| Theoretical chlorine .....                            | 8.25                   | 8.19              |           |



| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Black Leaf Products Co.</b>                                   |                        |                   |                |
| Black Leaf Lawn Weed Killer Spray Bomb                           |                        |                   |                |
| Morpholene 2,4-dichlorophenoxyacetate ..                         | 0.99                   |                   | Not Registered |
| Morpholene 2,4,5-trichlorophenoxyacetate                         | 0.48                   |                   |                |
| Theoretical chlorine .....                                       | 0.37                   | 0.43              |                |
| <b>Boyle-Midway Inc.</b>   |                        |                   |                |
| Antrol Squeeze 'N Weed Dandelion Plantation<br>Poison Ivy Killer |                        |                   |                |
| Alkanolamine salts of 2,4-D .....                                | 0.60                   |                   | Passed         |
| Triethylamine salts of 2,4,5-T .....                             | 0.40                   |                   |                |
| Theoretical chlorine .....                                       | 0.24                   | 0.24              |                |
| <b>Rigo Manufacturing Co.</b>                                    |                        |                   |                |
| Kill-Ko Weed Killer  |                        |                   |                |
| Isooctyl ester of 2,4-D .....                                    | 15.10                  |                   | Not Registered |
| Isooctyl ester of 2,4,5-T .....                                  | 7.20                   |                   |                |
| Theoretical chlorine .....                                       | 5.29                   | 5.94              |                |
| <b>Sears, Roebuck and Co.</b>                                    |                        |                   |                |
| Sears Weed Killer  |                        |                   |                |
| Alkanolamine salts of 2,4-D .....                                | 16.25                  |                   | Passed         |
| Alkanolamine salts of 2,4,5-T .....                              | 7.00                   |                   |                |
| Theoretical chlorine .....                                       | 5.21                   | 5.06              |                |
| <b>Thompson Chemical Corp.</b>                                   |                        |                   |                |
| Thompson's Bramble Weedicide Brush Killer LV 20-10               |                        |                   |                |
| Isooctyl ester of 2,4-D .....                                    | 25.60                  |                   | Passed         |
| Isooctyl ester of 2,4,5-T .....                                  | 12.30                  |                   |                |
| Theoretical chlorine .....                                       | 8.99                   | 9.12              |                |
| <b>2,4-D—MONURON—SODIUM TETRABORATE</b>                          |                        |                   |                |
| <b>FencePainter Div.</b>   |                        |                   |                |
| FencePainter Weed Out  |                        |                   |                |
| Sodium salt of 2,4-D .....                                       | 8.00                   | 7.78              | Deficient      |
| Monuron .....  | 4.00                   | 3.29              | Not Registered |
| Sodium tetraborate .....   | 36.80                  | 39.05             |                |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>2,4-D—SILVEX</b>  |                        |                   |                |
| <b>Judd Ringer Corp.</b>   |                        |                   |                |
| Killer Kane Kartridges for Dandelion and Broadleaf Weeds                     |                        |                   |                |
| 2,4-D .....  | 29.00                  |                   | Not Registered |
| Silvex .....   | 4.00                   |                   |                |
| Theoretical chlorine .....   | 10.88                  | 10.57             |                |
| <b>2,4,5-T</b>   |                        |                   |                |
| <b>Monsanto Co.</b>  |                        |                   |                |
| 2,4,5-T Butyl Ester Brush Killer   |                        |                   |                |
| Isobutyl ester of 2,4,5-T .....  | 37.50                  |                   | Passed         |
| N-butyl ester of 2,4,5-T .....   | 15.30                  |                   |                |
| 2,4,5-T acid equivalent .....  | 43.30                  | 42.34             |                |
| <b>DACTHAL</b>   |                        |                   |                |
| <b>Acme Quality Paints, Inc.</b><br>(Registered by the Sherwin-Williams Co.) |                        |                   |                |
| Acme Garden Weed Preventer   |                        |                   |                |
| Dacthal .....  | 2.50                   | 2.93              | Passed         |
| <b>Diamond Alkali Co.</b>  |                        |                   |                |
| Dacthal W-75 Herbicide   |                        |                   |                |
| Dacthal .....  | 75.00                  | 74.44             | Passed         |
| <b>Dragon Chemical Corp.</b>   |                        |                   |                |
| Dragon No-Ho   |                        |                   |                |
| Dacthal .....  | 5.00                   | 4.43              | Deficient      |
| <b>Southern Agricultural Insecticides, Inc.</b>                              |                        |                   |                |
| SA-50 Brand Home Garden Weed Granules  |                        |                   |                |
| Dacthal .....  | 5.00                   | 4.25              | Deficient      |
| <b>DDD</b>   |                        |                   |                |
| <b>Apex Chemical Co.</b>   |                        |                   |                |
| TDE Tobacco Dust   |                        |                   |                |
| DDD .....  | 10.00                  | 9.86              | Not Registered |
| do .....   | 10.00                  | 10.00             | Not Registered |

| Manufacturers and Brands                               | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| <b>The Borden Chemical Co.<br/>Smith-Douglass Div.</b> |                        |                   |           |
| Smith-Douglass 10% TDE Dust                            |                        |                   |           |
| DDD .....  | 10.00                  | 9.64              | Passed    |
| do .....   | 10.00                  | 10.00             | Passed    |
| Smith-Douglass 2 lb. TDE Emulsion Concentrate          |                        |                   |           |
| DDD .....  | 23.80                  | 24.57             | Passed    |
| do .....   | 23.80                  | 24.75             | Passed    |
| do .....   | 23.80                  | 24.34             | Passed    |
| <b>Cape Fear Chemicals, Inc.</b>                       |                        |                   |           |
| Tiger Brand 2-lb. TDE (Rhothane) Emulsion Concentrate  |                        |                   |           |
| DDD .....  | 23.80                  | 26.59             | Passed    |
| do .....   | 23.80                  | 26.96             | Passed    |
| <b>Carolina Chemical Corp.</b>                         |                        |                   |           |
| TDE 2 lb. Emulsion Concentrate                         |                        |                   |           |
| DDD .....  | 23.80                  | 23.89             | Passed    |
| <b>Chevron Chemical Company—Ortho Div.</b>             |                        |                   |           |
| Ortho TDE 2 Spray XB                                   |                        |                   |           |
| DDD .....  | 24.00                  | 24.90             | Passed    |
| <b>Daly-Herring Co.</b>                                |                        |                   |           |
| Bacco 10% TDE Dust                                     |                        |                   |           |
| DDD .....  | 10.00                  | 9.93              | Passed    |
| Bacco Spray Emulsifiable Concentrate                   |                        |                   |           |
| DDD .....  | 25.00                  | 25.11             | Passed    |
| do .....   | 25.00                  | 25.07             | Passed    |
| <b>E-Z-Flo Chemical Co.</b>                            |                        |                   |           |
| E-Z-Flo 10% TDE Tobacco Dust                           |                        |                   |           |
| DDD .....  | 10.00                  | 10.14             | Passed    |
| do .....   | 10.00                  | 10.64             | Passed    |
| do .....   | 10.00                  | 10.22             | Passed    |
| do .....   | 10.00                  | 10.18             | Passed    |
| do .....   | 10.00                  | 9.86              | Passed    |
| E-Z-Flo TDE 2-E Emulsifiable Liquid                    |                        |                   |           |
| DDD .....  | 24.60                  | 23.72             | Passed    |
| do .....   | 24.60                  | 24.56             | Passed    |



| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| <b>Farmers Cooperative Exchange, Inc.</b><br><b>(Now: FCX, Inc.)</b> |                        |                   |           |
| FCX 10% TDE Dust   |                        |                   |           |
| DDD .....  | 10.00                  | 9.93              | Passed    |
| do .....   | 10.00                  | 9.64              | Passed    |
| FCX TDE Emulsifiable Concentrate                                     |                        |                   |           |
| DDD .....  | 23.90                  | 23.34             | Passed    |
| <b>FCX, Inc.</b>   |                        |                   |           |
| FCX 10% TDE Dust   |                        |                   |           |
| DDD .....  | 10.00                  | 9.50              | Passed    |
| do .....   | 10.00                  | 10.07             | Passed    |
| FCX TDE Emulsifiable Concentrate                                     |                        |                   |           |
| DDD .....  | 23.40                  | 23.85             | Passed    |
| do .....   | 23.40                  | 24.25             | Passed    |
| do .....   | 23.40                  | 24.10             | Passed    |
| do .....   | 23.40                  | 24.44             | Passed    |
| do .....   | 23.40                  | 24.99             | Passed    |
| <b>W. R. Grace and Co.</b><br><b>Agricultural Products Div.</b>      |                        |                   |           |
| Maxwell 10% TDE Dust   |                        |                   |           |
| DDD .....  | 10.00                  | 10.00             | Passed    |
| do .....   | 10.00                  | 9.64              | Passed    |
| Maxwell 25% Rhothane Emulsion Concentrate                            |                        |                   |           |
| DDD .....  | 25.00                  | 25.19             | Passed    |
| do .....   | 25.00                  | 23.76             | Passed    |
| do .....   | 25.00                  | 24.03             | Passed    |
| <b>Graham Chemical Company, Inc.</b>                                 |                        |                   |           |
| Graham's Red Star Tobacco Spray Emulsifiable<br>Concentrate 25% TDE  |                        |                   |           |
| DDD .....  | 25.00                  | 25.35             | Passed    |
| do .....   | 25.00                  | 25.25             | Passed    |
| do .....   | 25.00                  | 25.35             | Passed    |
| <b>GurMiCo Chemicals, Inc.</b>                                       |                        |                   |           |
| GurMiCo TDE 25 Emulsion  |                        |                   |           |
| DDD .....  | 25.00                  | 24.92             | Passed    |
| do .....   | 25.00                  | 25.79             | Passed    |
| do .....   | 25.00                  | 25.21             | Passed    |

| Manufacturers and Brands                   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| <b>Olin Mathieson Chemical Corp.</b>       |                        |                   |           |
| Mathieson TDE (DDD) 10% Dust               |                        |                   |           |
| DDD .....                                  | 10.00                  | 9.93              | Passed    |
| do .....                                   | 10.00                  | 9.79              | Passed    |
| Mathieson TDE 3 lb. Emulsifiable           |                        |                   |           |
| DDD .....                                  | 34.50                  | 35.61             | Passed    |
| do .....                                   | 34.50                  | 35.83             | Passed    |
| <b>W. R. Peele Company, Inc.</b>           |                        |                   |           |
| Pelco Tobacco Spray T.D.E. or D.D.D.       |                        |                   |           |
| DDD .....                                  | 23.75                  | 23.23             | Passed    |
| do .....                                   | 23.75                  | 23.53             | Passed    |
| do .....                                   | 23.75                  | 24.24             | Passed    |
| do .....                                   | 23.75                  | 22.97             | Passed    |
| <b>Royster Chemical Co.</b>                |                        |                   |           |
| Royster Chem-Pest "20T" Spray Concentrate  |                        |                   |           |
| DDD .....                                  | 23.70                  | 24.12             | Passed    |
| do .....                                   | 23.70                  | 23.64             | Passed    |
| <b>DDD-DIELDRIN</b>                        |                        |                   |           |
| <b>Chevron Chemical Company—Ortho Div.</b> |                        |                   |           |
| Ortho Tobacco Spray-D                      |                        |                   |           |
| DDD .....                                  | 24.50                  |                   | Passed    |
| Dieldrin .....                             | 2.30                   |                   |           |
| Theoretical chlorine .....                 | 12.14                  | 11.63             |           |
| DDD .....                                  | 24.50                  |                   | Passed    |
| Dieldrin .....                             | 2.30                   |                   |           |
| Theoretical chlorine .....                 | 12.14                  | 11.62             |           |
| DDD .....                                  | 24.50                  |                   | Passed    |
| Dieldrin .....                             | 2.30                   |                   |           |
| Theoretical chlorine .....                 | 12.14                  | 12.34             |           |
| DDD .....                                  | 24.50                  |                   | Passed    |
| Dieldrin .....                             | 2.30                   |                   |           |
| Theoretical chlorine .....                 | 12.14                  | 12.18             |           |
| DDD .....                                  | 24.50                  |                   | Deficient |
| Dieldrin .....                             | 2.30                   |                   |           |
| Theoretical chlorine .....                 | 12.14                  | 11.23             |           |
| DDD .....                                  | 24.50                  |                   | Deficient |
| Dieldrin .....                             | 2.30                   |                   |           |
| Theoretical chlorine .....                 | 12.14                  | 10.51             |           |

| Manufacturers and Brands                      | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| DDD-DIELDRIN-MALATHION                        |                        |                   |           |
| Swift and Co.<br>Agricultural Chemical Div.   |                        |                   |           |
| End-O-Pest All-Purpose Insect Spray           |                        |                   |           |
| DDD .....                                     | 5.00                   |                   | Passed    |
| Dieldrin .....                                | 5.00                   |                   |           |
| Malathion .....                               | 12.50                  | 12.75             |           |
| Theoretical chlorine .....                    | 5.00                   | 4.99              |           |
| DDD-PARATHION                                 |                        |                   |           |
| Blue Chemical Company, Inc.                   |                        |                   |           |
| Thor Brand 2 lb. TDE-.5 lb. EP                |                        |                   |           |
| DDD .....                                     | 23.50                  | 24.80             | Passed    |
| Parathion .....                               | 5.50                   | 5.50              |           |
| Carolina Chemical Corp.                       |                        |                   |           |
| Tobacco King                                  |                        |                   |           |
| DDD .....                                     | 23.39                  | 24.10             | Passed    |
| Parathion .....                               | 5.86                   | 5.99              |           |
| DDD .....                                     | 23.39                  | 24.34             | Deficient |
| Parathion .....                               | 5.86                   | 5.31              |           |
| DDD .....                                     | 23.39                  | 26.37             | Deficient |
| Parathion .....                               | 5.86                   | 5.18              |           |
| Carter Insecticide and Chemical Company, Inc. |                        |                   |           |
| Carolina Brand TDE-Parathion Tobacco Poison   |                        |                   |           |
| DDD .....                                     | 24.00                  | 23.96             | Passed    |
| Parathion .....                               | 5.00                   | 5.97              |           |
| DDD .....                                     | 24.00                  | 24.08             | Passed    |
| Parathion .....                               | 5.00                   | 5.57              |           |
| Chevron Chemical Company—Ortho Div.           |                        |                   |           |
| Ortho Parathion-TDE 1-10 Dust                 |                        |                   |           |
| DDD .....                                     | 10.00                  | 9.72              | Passed    |
| Parathion .....                               | 1.00                   | 1.04              |           |
| DDD .....                                     | 10.00                  | 9.72              | Passed    |
| Parathion .....                               | 1.00                   | 1.09              |           |
| DDD .....                                     | 10.00                  | 9.57              | Passed    |
| Parathion .....                               | 1.00                   | 0.95              |           |



| Manufacturers and Brands                                       | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions. |
|--|------------------------|-------------------|------------|
| <b>Ortho Parathion-TDE .5-2 Emulsive XB</b>                    |                        |                   |            |
| DDD .....  | 24.00                  | 24.46             | Passed     |
| Parathion .....  | 6.00                   | 5.85              |            |
| <b>Daly-Herring Co.</b>  |                        |                   |            |
| <b>Dee Aitch 10-1 10% TDE-1% Parathion Dust</b>                |                        |                   |            |
| DDD .....  | 10.00                  | 9.57              | Passed     |
| Parathion .....  | 1.00                   | 0.96              |            |
| <b>Bacco Poison Emulsifiable Concentrate</b>                   |                        |                   |            |
| DDD .....  | 24.50                  | 24.79             | Passed     |
| Parathion .....  | 6.40                   | 6.10              |            |
| <b>E-Z-Flo Chemical Co.</b>                                    |                        |                   |            |
| <b>E-Z-Flo Tobacco Spray No. 1 Emulsion Concentrate</b>        |                        |                   |            |
| DDD .....  | 24.00                  | 23.82             | Passed     |
| Parathion .....  | 6.00                   | 5.96              |            |
| DDD .....  | 24.00                  | 23.92             | Passed     |
| Parathion .....  | 6.00                   | 5.73              |            |
| DDD .....  | 24.00                  | 24.05             | Passed     |
| Parathion .....  | 6.00                   | 6.22              |            |
| DDD .....  | 24.00                  | 24.43             | Passed     |
| Parathion .....  | 6.00                   | 5.70              |            |
| DDD .....  | 24.00                  | 24.34             | Passed     |
| Parathion .....  | 6.00                   | 6.12              |            |
| DDD .....  | 24.00                  | 24.81             | Passed     |
| Parathion .....  | 6.00                   | 6.34              |            |
| DDD .....  | 24.00                  | 26.69             | Passed     |
| Parathion .....  | 6.00                   | 6.39              |            |
| <b>Farmers Cooperative Exchange, Inc.<br/>(Now: FCX, Inc.)</b> |                        |                   |            |
| <b>FCX 5% TDE-1% Parathion Dust</b>                            |                        |                   |            |
| DDD .....  | 5.00                   | 4.96              | Deficient  |
| Parathion .....  | 1.00                   | 0.81              |            |
| <b>FCX, Inc.</b>   |                        |                   |            |
| <b>FCX 10% T.D.E.-1% Parathion Dust</b>                        |                        |                   |            |
| DDD .....  | 10.00                  | 10.93             | Passed     |
| Parathion .....  | 1.00                   | 1.07              |            |
| DDD .....  | 10.00                  | 9.93              | Passed     |
| Parathion .....  | 1.00                   | 1.01              |            |

| Manufacturers and Brands                          | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                      |
|---|------------------------|-------------------|--------------------------------|
| FCX Tobacco Bug Blaster                           |                        |                   |                                |
| DDD _____   | 23.20                  | 23.71             | Passed                         |
| Parathion _____                                   | 5.70                   | 6.63              |                                |
| DDD _____   | 23.20                  | 23.70             | Passed                         |
| Parathion _____                                   | 5.70                   | 6.71              |                                |
| DDD _____   | 23.20                  | 23.78             | Passed                         |
| Parathion _____                                   | 5.70                   | 6.52              |                                |
| DDD _____   | 23.20                  | 24.63             | Passed                         |
| Parathion _____                                   | 5.70                   | 6.15              |                                |
| DDD _____   | 23.20                  | 23.48             | Passed                         |
| Parathion _____                                   | 5.70                   | 6.21              |                                |
| DDD _____   | 23.20                  | 22.91             | Excessive<br>Active Ingredient |
| Parathion _____                                   | 5.70                   | 8.60              |                                |
| W. R. Grace and Co.<br>Agricultural Products Div. |                        |                   |                                |
| Maxwell Tobacco Spray-Plus Emulsion Concentrate   |                        |                   |                                |
| DDD _____   | 24.00                  | 23.59             | Passed                         |
| Parathion _____                                   | 6.00                   | 5.76              |                                |
| DDD _____   | 24.00                  | 23.43             | Passed                         |
| Parathion _____                                   | 6.00                   | 5.81              |                                |
| DDD _____   | 24.00                  | 24.32             | Passed                         |
| Parathion _____                                   | 6.00                   | 5.76              |                                |
| DDD _____   | 24.00                  | 24.14             | Passed                         |
| Parathion _____                                   | 6.00                   | 5.73              |                                |
| DDD _____   | 24.00                  | 23.57             | Passed                         |
| Parathion _____                                   | 6.00                   | 5.78              |                                |
| DDD _____   | 24.00                  | 24.60             | Passed                         |
| Parathion _____                                   | 6.00                   | 5.76              |                                |
| DDD _____   | 24.00                  | 24.19             | Passed                         |
| Parathion _____                                   | 6.00                   | 6.02              |                                |
| DDD _____   | 24.00                  | 23.72             | Passed                         |
| Parathion _____                                   | 6.00                   | 6.08              |                                |
| DDD _____   | 24.00                  | 24.57             | Passed                         |
| Parathion _____                                   | 6.00                   | 5.92              |                                |
| DDD _____   | 24.00                  | 23.34             | Passed                         |
| Parathion _____                                   | 6.00                   | 5.73              |                                |
| Olin Mathieson Chemical Corp.                     |                        |                   |                                |
| END-DT Special Emulsifiable Liquid                |                        |                   |                                |
| DDD _____   | 34.40                  | 31.59             | Deficient                      |
| Parathion _____                                   | 8.60                   | 8.67              |                                |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions         |
|--------------------------|------------------------|-------------------|-------------------|
| DDD .....                | 34.40                  | 34.06             | Deficient         |
| Parathion .....          | 8.60                   | 8.13              |                   |
| DDD .....                | 34.40                  | 33.46             | Excessive         |
| Parathion .....          | 8.60                   | 9.80              | Active Ingredient |

**W. R. Peele Company, Inc.****Pelco Super Tobacco Spray**

|                 |       |       |        |
|-----------------|-------|-------|--------|
| DDD .....       | 24.00 | 23.59 | Passed |
| Parathion ..... | 6.00  | 5.74  |        |

**Planters Chemical Corp.****Planters 10% TDE-1% Parathion Dust**

|                 |       |      |           |
|-----------------|-------|------|-----------|
| DDD .....       | 10.00 | 7.86 | Deficient |
| Parathion ..... | 1.00  | 0.98 |           |

**Planters TDE-Parathion Emulsion Concentrate**

|                 |       |       |        |
|-----------------|-------|-------|--------|
| DDD .....       | 24.20 | 24.35 | Passed |
| Parathion ..... | 6.00  | 5.86  |        |
| DDD .....       | 24.20 | 24.21 | Passed |
| Parathion ..... | 6.00  | 6.00  |        |
| DDD .....       | 24.20 | 24.21 | Passed |
| Parathion ..... | 6.00  | 6.01  |        |

**Royster Chemical Co.****Royster Chem-Pest Tobacco "205" Spray Emulsion Concentrate**

|                 |       |       |        |
|-----------------|-------|-------|--------|
| DDD .....       | 24.20 | 25.54 | Passed |
| Parathion ..... | 6.00  | 6.49  |        |
| DDD .....       | 24.20 | 24.94 | Passed |
| Parathion ..... | 6.00  | 6.01  |        |

**Taylor Chemical Co.****(Now: E-Z-Flo Chemical Co.)****E-Z-Flo Tobacco Spray No. 1**

|                 |       |       |        |
|-----------------|-------|-------|--------|
| DDD .....       | 24.00 | 25.18 | Passed |
| Parathion ..... | 6.00  | 6.20  |        |

**DDT****Acme Quality Paints, Inc.****(Registered by The Sherwin-Williams Co.)****Acme 5% DDT Dust**

|           |      |      |        |
|-----------|------|------|--------|
| DDT ..... | 5.00 | 4.86 | Passed |
| do .....  | 5.00 | 5.11 | Passed |



| Manufacturers and Brands                               | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                   |
|--|------------------------|-------------------|-----------------------------|
| <b>Acme Dura Dust No. 50</b>                           |                        |                   |                             |
| DDT .....  | 50.00                  | 48.92             | Passed                      |
| <b>Black Leaf Products Co.</b>                         |                        |                   |                             |
| <b>Black Leaf 50% DDT Wettable Powder</b>              |                        |                   |                             |
| DDT .....  | 50.00                  | 48.56             | Not Registered              |
| <b>The Borden Chemical Co.<br/>Smith-Douglass Div.</b> |                        |                   |                             |
| <b>Smith-Douglass 10% DDT Dust</b>                     |                        |                   |                             |
| DDT .....  | 10.00                  | 9.86              | Passed                      |
| <b>Smith-Douglass 2 lb. DDT Emulsion Concentrate</b>   |                        |                   |                             |
| DDT .....  | 23.80                  | 25.12             | Passed                      |
| do .....   | 23.80                  | 24.23             | Passed                      |
| do .....   | 23.80                  | 24.46             | Passed                      |
| <b>Cape Fear Chemicals, Inc.</b>                       |                        |                   |                             |
| <b>Tiger Brand 10% DDT Dust</b>                        |                        |                   |                             |
| DDT .....  | 10.00                  | 10.21             | Passed                      |
| <b>Carolina Chemical Corp.</b>                         |                        |                   |                             |
| <b>5% DDT Dust</b>                                     |                        |                   |                             |
| DDT .....  | 5.00                   | 4.79              | Not Registered              |
| do .....   | 5.00                   | 4.18              | Deficient                   |
| <b>Champion 10% DDT Dust</b>                           |                        |                   |                             |
| DDT .....  | 10.00                  | 9.29              | Deficient<br>Not Registered |
| <b>DDT 2 lb. Emulsion Concentrate</b>                  |                        |                   |                             |
| DDT .....  | 23.80                  | 25.16             | Passed                      |
| do .....   | 23.80                  | 24.55             | Passed                      |
| do .....   | 23.80                  | 24.18             | Passed                      |
| do .....   | 23.80                  | 25.04             | Passed                      |
| do .....   | 23.80                  | 24.52             | Passed                      |
| do .....   | 23.80                  | 24.85             | Passed                      |
| do .....   | 23.80                  | 24.76             | Passed                      |
| <b>Chevron Chemical Company—Ortho Div.</b>             |                        |                   |                             |
| <b>Ortho DDT 10 Dust</b>                               |                        |                   |                             |
| DDT .....  | 10.00                  | 9.71              | Passed                      |
| <b>Ortho DDT 2 Emulsive XB</b>                         |                        |                   |                             |
| DDT .....  | 23.00                  | 24.47             | Passed                      |

| Manufacturers and Brands                                       | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| <b>Coastal Chemical Corp.</b>                                  |                        |                   |           |
| Coastal 10% DDT Dust   |                        |                   |           |
| DDT .....  | 10.00                  | 9.79              | Passed    |
| <b>Daly-Herring Co.</b>  |                        |                   |           |
| Dee Aitch 5% DDT Dust  |                        |                   |           |
| DDT .....  | 5.00                   | 4.75              | Passed    |
| Dee Aitch 25% DDT Emulsifiable Concentrate                     |                        |                   |           |
| DDT .....  | 25.00                  | 24.03             | Passed    |
| do .....   | 25.00                  | 24.73             | Passed    |
| <b>E-Z-Flo Chemical Co.</b>                                    |                        |                   |           |
| E-Z-Flo DDT 2E   |                        |                   |           |
| DDT .....  | 24.00                  | 24.02             | Passed    |
| do .....   | 24.00                  | 24.73             | Passed    |
| <b>Farmers Cooperative Exchange, Inc.<br/>(Now: FCX, Inc.)</b> |                        |                   |           |
| FCX 5% DDT Dust  |                        |                   |           |
| DDT .....  | 5.00                   | 5.04              | Passed    |
| FCX 10% DDT Dust   |                        |                   |           |
| DDT .....  | 10.00                  | 9.64              | Passed    |
| FCX DDT Emulsifiable Concentrate                               |                        |                   |           |
| DDT .....  | 24.00                  | 23.41             | Passed    |
| FCX 50% Wettable DDT Powder                                    |                        |                   |           |
| DDT .....  | 50.00                  | 49.63             | Passed    |
| <b>Farmingdale Garden Laboratories, Inc.</b>                   |                        |                   |           |
| Farmingdale 25% (DDT) Spray                                    |                        |                   |           |
| DDT .....  | 25.00                  | 24.39             | Passed    |
| <b>FCX, Inc.</b>   |                        |                   |           |
| FCX DDT Emulsifiable Concentrate                               |                        |                   |           |
| DDT .....  | 24.00                  | 23.44             | Passed    |
| do .....   | 24.00                  | 24.31             | Passed    |
| do .....   | 24.00                  | 23.64             | Passed    |
| do .....   | 24.00                  | 24.60             | Passed    |
| do .....   | 24.00                  | 24.61             | Passed    |
| do .....   | 24.00                  | 24.48             | Passed    |
| do .....   | 24.00                  | 23.57             | Passed    |

| Manufacturers and Brands                                  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>W. R. Grace and Co.<br/>Agricultural Products Div.</b> |                        |                   |           |
| Maxwell 5% DDT Dust                                       |                        |                   |           |
| DDT .....   | 5.00                   | 5.18              | Passed    |
| do .....  | 5.00                   | 5.11              | Passed    |
| do .....  | 5.00                   | 4.93              | Passed    |
| Maxwell 10% DDT Dust                                      |                        |                   |           |
| DDT .....   | 10.00                  | 10.00             | Passed    |
| do .....  | 10.00                  | 9.79              | Passed    |
| do .....  | 10.00                  | 9.57              | Passed    |
| Maxwell 25% DDT Emulsion Concentrate                      |                        |                   |           |
| DDT .....   | 25.00                  | 24.43             | Passed    |
| do .....  | 25.00                  | 23.93             | Passed    |
| do .....  | 25.00                  | 24.18             | Passed    |
| do .....  | 25.00                  | 24.32             | Passed    |
| do .....  | 25.00                  | 24.29             | Passed    |
| do .....  | 25.00                  | 24.58             | Passed    |
| <b>Graham Chemical Company, Inc.</b>                      |                        |                   |           |
| Graham's Red Star Bug Death DDT 25%                       |                        |                   |           |
| DDT .....   | 24.44                  | 26.05             | Passed    |
| do .....  | 24.44                  | 23.63             | Passed    |
| do .....  | 24.44                  | 24.00             | Passed    |
| <b>Kerr-McGee Chemical Corp.</b>                          |                        |                   |           |
| Kerr-McGee DDT Emulsifiable Concentrate                   |                        |                   |           |
| DDT .....   | 25.00                  | 24.18             | Passed    |
| K M DDT Emulsifiable Concentrate                          |                        |                   |           |
| DDT .....   | 25.00                  | 24.88             | Passed    |
| do .....  | 25.00                  | 24.80             | Passed    |
| <b>McCormick and Company, Inc.</b>                        |                        |                   |           |
| Bee Brand Flea and Tick Killer                            |                        |                   |           |
| DDT .....   | 10.00                  | 10.00             | Passed    |
| do .....  | 10.00                  | 9.64              | Passed    |
| <b>Olin Mathieson Chemical Corp.</b>                      |                        |                   |           |
| Mathieson DDT 10% Dust                                    |                        |                   |           |
| DDT .....   | 10.00                  | 9.50              | Passed    |



| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>W. R. Peele Company, Inc.</b>   |                        |                   |                |
| Pelco 10% DDT Dust   |                        |                   |                |
| DDT .....  | 10.00                  | 9.71              | Passed         |
| Pelco DDT Emulsifiable Concentrate   |                        |                   |                |
| DDT .....  | 23.76                  | 23.20             | Passed         |
| <b>Pennsylvania Salt Manufacturing Co.<br/>(Now: Pennsalt Chemicals Corp.)</b> |                        |                   |                |
| Pennsalt Cattle Spray  |                        |                   |                |
| DDT .....  | 50.00                  | 51.43             | Not Registered |
| <b>Planters Chemical Corp.</b>   |                        |                   |                |
| Planters 10% DDT Dust  |                        |                   |                |
| DDT .....  | 10.00                  | 10.00             | Passed         |
| Planters DDT 2 lb. Emulsion Concentrate  |                        |                   |                |
| DDT .....  | 23.80                  | 22.97             | Passed         |
| <b>Rigo Manufacturing Co.</b>  |                        |                   |                |
| Kill-Ko 50% DDT Wettable Powder  |                        |                   |                |
| DDT .....  | 50.00                  | 52.13             | Passed         |
| <b>Royster Chemical Co.</b>  |                        |                   |                |
| Royster Chem-Pest "20D"  |                        |                   |                |
| DDT .....  | 24.74                  | 23.72             | Passed         |
| <b>Southern Agricultural Insecticides, Inc.</b>                                |                        |                   |                |
| SA-50 Brand 10% DDT Dust   |                        |                   |                |
| DDT .....  | 10.00                  | 9.36              | Deficient      |
| do .....   | 10.00                  | 10.14             | Passed         |
| do .....   | 10.00                  | 9.86              | Passed         |
| SA-50 Brand 50% DDT Spray  |                        |                   |                |
| DDT .....  | 50.00                  | 48.56             | Passed         |
| <b>Swift and Co.<br/>Agricultural Chemical Div.</b>                            |                        |                   |                |
| Swift's 50% DDT (Wettable Powder)  |                        |                   |                |
| DDT .....  | 50.00                  | 50.71             | Passed         |
| do .....   | 50.00                  | 49.63             | Passed         |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**Thompson-Hayward Chemical Co.**

De-Pester DDT W-50

|           |       |       |                             |
|-----------|-------|-------|-----------------------------|
| DDT ..... | 50.00 | 45.70 | Deficient<br>Not Registered |
|-----------|-------|-------|-----------------------------|

**DDT—ALLETHRIN—METHOXYCHLOR—N-OCTYL  
BICYCLOHEPTENE DICARBOXIMIDE—THANITE**

**Boyle-Midway Inc.**

Flyded Insect Killer

|  |       |         |        |
|--|-------|---------|--------|
| DDT .....                                  | 1.000 |         | Passed |
| Allethrin .....                            | 0.100 | Present |        |
| Methoxychlor .....                         | 1.000 |         |        |
| N-octyl bicycloheptene dicarboximide ..... | 0.166 |         |        |
| Thanite .....                              | 1.000 |         |        |
| Theoretical chlorine .....                 | 0.80  | 1.04    |        |
| Theoretical nitrogen .....                 | 0.06  | 0.07    |        |

**Special Sales Products**

(Registered by Rexall Drug Co.)

Target Insect Killer

|  |       |         |        |
|--|-------|---------|--------|
| DDT .....                                  | 3.000 |         | Passed |
| Allethrin .....                            | 0.100 | Present |        |
| Methoxychlor .....                         | 1.000 |         |        |
| N-octyl bicycloheptene dicarboximide ..... | 0.166 |         |        |
| Thanite .....                              | 1.000 |         |        |
| Theoretical chlorine .....                 | 1.800 | 1.940   |        |
| Theoretical nitrogen .....                 | 0.060 | 0.070   |        |

**DDT—ALLETHRIN—N-OCTYL BICYCLOHEPTENE  
DICARBOXIMIDE—THANITE**

**Boyle-Midway Inc.**

Flyded Push Button Insect Killer

|  |       |         |        |
|--|-------|---------|--------|
| DDT .....                                  | 1.000 | 1.370   | Passed |
| Allethrin .....                            | 0.100 | Present |        |
| N-octyl bicycloheptene dicarboximide ..... | 0.166 |         |        |
| Thanite .....                              | 1.000 |         |        |
| Theoretical nitrogen .....                 | 0.060 | 0.060   |        |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**DDT-CAPTAN-KARATHANE-MALATHION****Acme Quality Paints, Inc.****Acme Insecticide Div.****(Registered by The Sherwin-Williams Co.)****Acme Rose Dust**

|                            |       |      |                                   |
|----------------------------|-------|------|-----------------------------------|
| DDT .....                  | 5.000 |      | Excessive<br>Active<br>Ingredient |
| Captan .....               | 7.000 |      |                                   |
| Karathane .....            | 0.750 |      |                                   |
| Malathion .....            | 4.000 | 5.47 |                                   |
| Theoretical chlorine ..... | 4.98  | 5.05 |                                   |
| Theoretical nitrogen ..... | 0.38  | 0.37 |                                   |

**Sears, Roebuck and Co.****Sears Rose Dust**

|                            |      |      |        |
|----------------------------|------|------|--------|
| DDT .....                  | 5.00 |      | Passed |
| Captan .....               | 5.00 |      |        |
| Karathane .....            | 0.75 |      |        |
| Malathion .....            | 4.00 | 3.89 |        |
| Theoretical chlorine ..... | 4.27 | 4.15 |        |
| Theoretical nitrogen ..... | 0.29 | 0.26 |        |

**Sears Rose Spray**

|                            |       |      |           |
|----------------------------|-------|------|-----------|
| DDT .....                  | 10.00 |      | Deficient |
| Captan .....               | 5.00  |      |           |
| Karathane .....            | 1.00  |      |           |
| Malathion .....            | 5.00  | 3.89 |           |
| Theoretical chlorine ..... | 6.77  | 2.42 |           |
| Theoretical nitrogen ..... | 0.31  | 0.33 |           |

**Swift and Co.****Agricultural Chemical Div.****End-O-Pest for Roses**

|                            |      |      |           |
|----------------------------|------|------|-----------|
| DDT .....                  | 5.00 |      | Deficient |
| Captan .....               | 7.50 |      |           |
| Karathane .....            | 1.00 |      |           |
| Malathion .....            | 4.50 | 3.62 |           |
| Theoretical chlorine ..... | 5.16 | 4.90 |           |
| Theoretical nitrogen ..... | 0.43 | 0.45 |           |
| DDT .....                  | 5.00 |      | Deficient |
| Captan .....               | 7.50 |      |           |
| Karathane .....            | 1.00 |      |           |
| Malathion .....            | 4.50 | 2.87 |           |
| Theoretical chlorine ..... | 5.16 | 5.16 |           |
| Theoretical nitrogen ..... | 0.43 | 0.41 |           |



| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**DDT—CAPTAN—PYRETHRINS—ROTENONE—SULFUR**
**Parrott Chemical Co.**
**Lucky Strike Black Magic for Rose**

|                            |       |         |                |
|----------------------------|-------|---------|----------------|
| DDT .....                  | 5.00  |         | Not Registered |
| Captan .....               | 5.00  |         |                |
| Pyrethrins .....           | 0.05  | 0.10    |                |
| Rotenone .....             | 0.75  | Present |                |
| Sulfur .....               | 25.00 | 24.47   |                |
| Theoretical chlorine ..... | 4.27  | 4.12    |                |

**DDT—CHLORDANE—DIELDRIN—LETHANE 384—  
PIPERONYL BUTOXIDE—PYRETHRINS**
**Walgreen Laboratories, Inc.**
**Dolph Ant and Roach Spray**

|                            |       |         |        |
|----------------------------|-------|---------|--------|
| DDT .....                  | 0.500 |         | Passed |
| Chlordane .....            | 2.000 |         |        |
| Dieldrin .....             | 0.125 |         |        |
| Lethane 384 .....          | 1.060 | Present |        |
| Piperonyl butoxide .....   | 0.115 | 0.103   |        |
| Pyrethrins .....           | 0.046 | 0.060   |        |
| Theoretical chlorine ..... | 1.600 | 1.550   |        |
| DDT .....                  | 0.500 |         | Passed |
| Chlordane .....            | 2.000 |         |        |
| Dieldrin .....             | 0.125 |         |        |
| Lethane 384 .....          | 1.060 | Present |        |
| Piperonyl butoxide .....   | 0.115 | 0.09    |        |
| Pyrethrins .....           | 0.046 | 0.05    |        |
| Theoretical chlorine ..... | 1.600 | 1.550   |        |

**DDT—CHLORDANE—PIPERONYL BUTOXIDE—PYRETHRINS**
**Shulton Home Products**
**(Registered by Aerosol Corporation of America)**
**Bridgeport Ant and Roach Killer**

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| DDT .....                  | 3.000 |       | Passed |
| Chlordane .....            | 2.000 |       |        |
| Piperonyl butoxide .....   | 0.125 | 0.121 |        |
| Pyrethrins .....           | 0.050 | 0.050 |        |
| Theoretical chlorine ..... | 2.780 | 2.640 |        |

**DDT—COPPER**
**Carbola Chemical Company, Inc.**
**Carbola 3-7 Insect Killer and Fungicide Dust In One**

|                          |      |      |           |
|--------------------------|------|------|-----------|
| DDT .....                | 3.00 | 2.70 | Deficient |
| Copper as metallic ..... | 7.00 | 7.25 |           |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**Mike, Inc.****Division of Southern Agricultural Chemicals, Inc.****101 Brand Copper Dust with 5% DDT for Potatoes and Tomatoes**

|                          |      |      |                |
|--------------------------|------|------|----------------|
| DDT .....                | 5.00 | 4.96 | Not Registered |
| Copper as metallic ..... | 6.50 | 6.19 |                |

**Planters Chemical Corp.****Planters Dee-Kop Dust No. 5**

|                          |      |      |        |
|--------------------------|------|------|--------|
| DDT .....                | 5.00 | 4.93 | Passed |
| Copper as metallic ..... | 7.00 | 6.66 |        |

**Southern Agricultural Insecticides, Inc.****SA-50 Brand Potato Dust with 6 1/2% Copper and 5% DDT**

|                          |      |      |        |
|--------------------------|------|------|--------|
| DDT .....                | 5.00 | 5.18 | Passed |
| Copper as metallic ..... | 6.50 | 6.69 |        |
| DDT .....                | 5.00 | 5.21 | Passed |
| Copper as metallic ..... | 6.50 | 6.82 |        |
| DDT .....                | 5.00 | 5.21 | Passed |
| Copper as metallic ..... | 6.50 | 6.61 |        |

**Standard Spray and Chemical Co.****Standard Brand Copoloid 3-12**

|                          |       |       |           |
|--------------------------|-------|-------|-----------|
| DDT .....                | 12.00 | 10.65 | Deficient |
| Copper as metallic ..... | 3.00  | 3.15  |           |

**DDT-COPPER-PARATHION-SULFUR****Southern Agricultural Insecticides, Inc.****SA-50 Brand 1 1/2% Parathion Dust with 5% DDT-  
3% Copper-25% Sulfur-2.25% Manganese**

|                          |       |       |           |
|--------------------------|-------|-------|-----------|
| DDT .....                | 5.00  | 4.89  | Deficient |
| Copper as metallic ..... | 3.00  | 3.42  |           |
| Parathion .....          | 1.50  | 1.19  |           |
| Sulfur .....             | 25.00 | 25.33 |           |

**DDT-COPPER-SULFUR****The Borden Chemical Co.****Smith-Douglass Div.****Smith-Douglass Copper-Sulfur-DDT Dust for Peanuts**

|                          |       |       |           |
|--------------------------|-------|-------|-----------|
| DDT .....                | 5.00  | 4.86  | Deficient |
| Copper as metallic ..... | 4.00  | 3.47  |           |
| Sulfur .....             | 75.00 | 76.00 |           |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
| DDT .....                | 5.00                   | 4.89              | Deficient |
| Copper as metallic ..... | 4.00                   | 3.46              |           |
| Sulfur .....             | 75.00                  | 75.22             |           |
| DDT .....                | 5.00                   | 5.29              | Passed    |
| Copper as metallic ..... | 4.00                   | 4.06              |           |
| Sulfur .....             | 75.00                  | 73.97             |           |

**Chevron Chemical Company—Ortho Div.**

## Ortho 5-4-80 Peanut Dust

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| DDT .....                | 5.00  | 5.04  | Passed |
| Copper as metallic ..... | 4.00  | 4.10  |        |
| Sulfur .....             | 80.00 | 81.38 |        |

**Daly-Herring Co.**

## Dee Aitch 4-5-74 Dust

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| DDT .....                | 5.00  | 5.14  | Passed |
| Copper as metallic ..... | 4.00  | 3.84  |        |
| Sulfur .....             | 74.00 | 72.75 |        |

## D-H 4-5-74 Dust

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| DDT .....                | 5.00  | 4.86  | Passed |
| Copper as metallic ..... | 4.00  | 3.92  |        |
| Sulfur .....             | 74.00 | 72.80 |        |

**E-Z-Flo Chemical Co.**

## E-Z-Flo Copper-DDT-Sulphur Peanut Dust

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| DDT .....                | 5.00  | 4.86  | Passed |
| Copper as metallic ..... | 4.00  | 4.10  |        |
| Sulfur .....             | 80.00 | 79.58 |        |

**FCX, Inc.**

## FCX Copper Sulphur Peanut Dust with 5%DDT

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| DDT .....                | 5.00  | 4.89  | Passed |
| Copper as metallic ..... | 4.00  | 3.97  |        |
| Sulfur .....             | 76.50 | 76.77 |        |

**Howerton Gowen Chemicals, Inc.**

## Gowen's Copper Sulfur 5% DDT Dust

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| DDT .....                | 5.00  | 4.75  | Passed |
| Copper as metallic ..... | 4.00  | 3.89  |        |
| Sulfur .....             | 80.00 | 81.14 |        |



| Manufacturers and Brands                                     | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| <b>Meherrin Agricultural and Chemical Co.</b>                |                        |                   |           |
| Red Kay Four-Five Peanut Dust                                |                        |                   |           |
| DDT .....  | 5.00                   | 4.93              | Passed    |
| Copper as metallic .....                                     | 4.00                   | 4.15              |           |
| Sulfur .....   | 76.00                  | 72.49             |           |
| <b>Niagara Chemical Division—FMC Corp.</b>                   |                        |                   |           |
| Niagara Peanut Dust 4-5-80                                   |                        |                   |           |
| DDT .....  | 5.00                   | 5.18              | Passed    |
| Copper as metallic .....                                     | 4.00                   | 4.07              |           |
| Sulfur .....   | 80.00                  | 81.23             |           |
| <b>Planters Chemical Corp.</b>                               |                        |                   |           |
| Planters Copper-Sulfur-DDT Dust for Peanuts                  |                        |                   |           |
| DDT .....  | 5.00                   | 4.50              | Deficient |
| Copper as metallic .....                                     | 4.00                   | 3.92              |           |
| Sulfur .....   | 75.00                  | 73.22             |           |
| <b>Royster Chemical Co.</b>                                  |                        |                   |           |
| Royster Chem-Pest Peanut "5480" Dust                         |                        |                   |           |
| DDT .....  | 5.00                   | 5.00              | Passed    |
| Copper as metallic .....                                     | 4.00                   | 3.97              |           |
| Sulfur .....   | 80.00                  | 80.77             |           |
| <b>Standard Spray and Chemical Co.</b>                       |                        |                   |           |
| Standard Brand 5% DDT 4% Copper 75% Sulfur Dust              |                        |                   |           |
| DDT .....  | 5.00                   | 4.96              | Passed    |
| Copper as metallic .....                                     | 4.00                   | 4.19              |           |
| Sulfur .....   | 75.00                  | 74.19             |           |
| DDT .....  | 5.00                   | 5.21              | Passed    |
| Copper as metallic .....                                     | 4.00                   | 4.09              |           |
| Sulfur .....   | 75.00                  | 77.41             |           |
| <b>DDT-DDD</b>   |                        |                   |           |
| <b>Cape Fear Chemicals, Inc.</b>                             |                        |                   |           |
| Tiger Brand Super Tobacco Spray DDT-TDE Emulsion Concentrate |                        |                   |           |
| DDT .....  | 12.08                  | 15.98             | Passed    |
| DDD .....  | 23.93                  |                   |           |
| Theoretical chlorine .....                                   | 16.64                  |                   |           |
| DDT .....  | 12.08                  | 14.94             | Deficient |
| DDD .....  | 23.93                  |                   |           |
| Theoretical chlorine .....                                   | 16.64                  |                   |           |

| Manufacturers and Brands                                  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>Carolina Chemical Corp.</b>                            |                        |                   |           |
| Budworm and Hornworm Special                              |                        |                   |           |
| DDT .....   | 12.50                  |                   | Deficient |
| DDD .....   | 24.50                  |                   |           |
| Theoretical chlorine .....                                | 17.11                  | 16.17             |           |
| DDT .....   | 12.50                  |                   | Deficient |
| DDD .....   | 24.50                  |                   |           |
| Theoretical chlorine .....                                | 17.11                  | 15.78             |           |
| DDT .....   | 12.50                  |                   | Deficient |
| DDD .....   | 24.50                  |                   |           |
| Theoretical chlorine .....                                | 17.11                  | 15.87             |           |
| <b>Daly-Herring Co.</b>                                   |                        |                   |           |
| Bacco Beetle Dust   |                        |                   |           |
| DDT .....   | 5.00                   |                   | Passed    |
| DDD .....   | 5.00                   |                   |           |
| Theoretical chlorine .....                                | 4.72                   | 4.55              |           |
| <b>W. R. Grace and Co.<br/>Agricultural Products Div.</b> |                        |                   |           |
| Maxwell TDE-DDT Emulsion Concentrate                      |                        |                   |           |
| DDT .....   | 17.50                  |                   | Passed    |
| DDD .....   | 17.50                  |                   |           |
| Theoretical chlorine .....                                | 16.50                  | 16.40             |           |
| DDT .....   | 17.50                  |                   | Passed    |
| DDD .....   | 17.50                  |                   |           |
| Theoretical chlorine .....                                | 16.50                  | 16.81             |           |
| DDT .....   | 17.50                  |                   | Passed    |
| DDD .....   | 17.50                  |                   |           |
| Theoretical chlorine .....                                | 16.50                  | 16.27             |           |
| <b>Graham Chemical Company, Inc.</b>                      |                        |                   |           |
| Graham's Red Star Kwik Kill Tobacco Spray                 |                        |                   |           |
| DDT .....   | 12.22                  |                   | Passed    |
| DDD .....   | 12.22                  |                   |           |
| Theoretical chlorine .....                                | 11.52                  | 11.23             |           |
| DDT .....   | 12.22                  |                   | Deficient |
| DDD .....   | 12.22                  |                   |           |
| Theoretical chlorine .....                                | 11.52                  | 10.53             |           |

| Manufacturers and Brands                       | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| DDT-DDD-PARATHION                              |                        |                   |           |
| The Borden Chemical Co.<br>Smith-Douglass Div. |                        |                   |           |
| Smith-Douglass Tobacco Dust                    |                        |                   |           |
| DDT .....                                      | 5.00                   |                   | Passed    |
| DDD .....                                      | 5.00                   |                   |           |
| Parathion .....                                | 1.00                   | 0.98              |           |
| Theoretical chlorine .....                     | 4.72                   | 4.55              |           |
| DDT .....                                      | 5.00                   |                   | Deficient |
| DDD .....                                      | 5.00                   |                   |           |
| Parathion .....                                | 1.00                   | 0.81              |           |
| Theoretical chlorine .....                     | 4.72                   | 3.98              |           |
| DDT .....                                      | 5.00                   |                   | Deficient |
| DDD .....                                      | 5.00                   |                   |           |
| Parathion .....                                | 1.00                   | 1.06              |           |
| Theoretical chlorine .....                     | 4.72                   | 4.35              |           |
| DDT .....                                      | 5.00                   |                   | Deficient |
| DDD .....                                      | 5.00                   |                   |           |
| Parathion .....                                | 1.00                   | 0.67              |           |
| Theoretical chlorine .....                     | 4.72                   | 4.25              |           |
| Smith-Douglass Voo Doo                         |                        |                   |           |
| DDT .....                                      | 17.13                  |                   | Passed    |
| DDD .....                                      | 17.13                  |                   |           |
| Parathion .....                                | 5.80                   | 5.86              |           |
| Theoretical chlorine .....                     | 16.16                  | 16.77             |           |
| DDT .....                                      | 17.13                  |                   | Passed    |
| DDD .....                                      | 17.13                  |                   |           |
| Parathion .....                                | 5.80                   | 5.91              |           |
| Theoretical chlorine .....                     | 16.16                  | 16.22             |           |
| DDT .....                                      | 17.13                  |                   | Passed    |
| DDD .....                                      | 17.13                  |                   |           |
| Parathion .....                                | 5.80                   | 5.68              |           |
| Theoretical chlorine .....                     | 16.16                  | 16.64             |           |
| DDT .....                                      | 17.13                  |                   | Passed    |
| DDD .....                                      | 17.13                  |                   |           |
| Parathion .....                                | 5.80                   | 5.82              |           |
| Theoretical chlorine .....                     | 16.16                  | 16.20             |           |
| DDT .....                                      | 17.13                  |                   | Passed    |
| DDD .....                                      | 17.13                  |                   |           |
| Parathion .....                                | 5.80                   | 5.85              |           |
| Theoretical chlorine .....                     | 16.16                  | 16.96             |           |
| DDT .....                                      | 17.13                  |                   | Passed    |
| DDD .....                                      | 17.13                  |                   |           |
| Parathion .....                                | 5.80                   | 5.62              |           |
| Theoretical chlorine .....                     | 16.16                  | 16.13             |           |



| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|----------------------------|------------------------|-------------------|-----------|
| DDT .....                  | 17.13                  |                   | Passed    |
| DDD .....                  | 17.13                  |                   |           |
| Parathion .....            | 5.80                   | 5.91              |           |
| Theoretical chlorine ..... | 16.16                  | 16.41             |           |
| DDT .....                  | 17.13                  |                   | Deficient |
| DDD .....                  | 17.13                  |                   |           |
| Parathion .....            | 5.80                   | 4.61              |           |
| Theoretical chlorine ..... | 16.16                  | 15.31             |           |

**Cape Fear Chemicals, Inc.****Tiger Brand Thrippl Quick 1-5-5 Tobacco Dust**

|                            |      |      |        |
|----------------------------|------|------|--------|
| DDT .....                  | 5.00 |      | Passed |
| DDD .....                  | 5.00 |      |        |
| Parathion .....            | 1.00 | 1.01 |        |
| Theoretical chlorine ..... | 4.72 | 4.69 |        |
| DDT .....                  | 5.00 |      | Passed |
| DDD .....                  | 5.00 |      |        |
| Parathion .....            | 1.00 | 0.98 |        |
| Theoretical chlorine ..... | 4.72 | 4.59 |        |

**Tiger Brand 3 Way Knock-Out Tobacco Spray**

|                            |       |       |           |
|----------------------------|-------|-------|-----------|
| DDT .....                  | 12.50 |       | Passed    |
| DDD .....                  | 12.50 |       |           |
| Parathion .....            | 3.92  | 4.12  |           |
| Theoretical chlorine ..... | 11.79 | 11.63 |           |
| DDT .....                  | 12.50 |       | Deficient |
| DDD .....                  | 12.50 |       |           |
| Parathion .....            | 3.92  | 3.53  |           |
| Theoretical chlorine ..... | 11.79 | 12.29 |           |

**Tiger Brand 3 Way Death Blow Tobacco Spray**

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| DDT .....                  | 11.79 |       | Passed |
| DDD .....                  | 23.35 |       |        |
| Parathion .....            | 6.11  | 6.58  |        |
| Theoretical chlorine ..... | 16.75 | 16.30 |        |
| DDT .....                  | 11.79 |       | Passed |
| DDD .....                  | 23.35 |       |        |
| Parathion .....            | 6.11  | 6.69  |        |
| Theoretical chlorine ..... | 16.75 | 16.58 |        |

**Carolina Chemical Corp.****Champion 5-5-1 Hornworm Dust**

|                            |      |      |           |
|----------------------------|------|------|-----------|
| DDT .....                  | 5.00 |      | Deficient |
| DDD .....                  | 5.00 |      |           |
| Parathion .....            | 1.00 | 0.57 |           |
| Theoretical chlorine ..... | 4.72 | 4.65 |           |

| Manufacturers and Brands                | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| Super Tobacco King Emulsion Concentrate |                        |                   |           |
| DDT .....                               | 17.13                  |                   | Passed    |
| DDD .....                               | 17.13                  |                   |           |
| Parathion .....                         | 5.80                   | 5.61              |           |
| Theoretical chlorine .....              | 16.16                  | 15.46             |           |
| DDT .....                               | 17.13                  |                   | Passed    |
| DDD .....                               | 17.13                  |                   |           |
| Parathion .....                         | 5.80                   | 5.73              |           |
| Theoretical chlorine .....              | 16.16                  | 16.06             |           |
| DDT .....                               | 17.13                  |                   | Deficient |
| DDD .....                               | 17.13                  |                   |           |
| Parathion .....                         | 5.80                   | 4.99              |           |
| Theoretical chlorine .....              | 16.16                  | 15.71             |           |
| DDT .....                               | 17.13                  |                   | Deficient |
| DDD .....                               | 17.13                  |                   |           |
| Parathion .....                         | 5.80                   | 5.59              |           |
| Theoretical chlorine .....              | 16.16                  | 15.14             |           |
| DDT .....                               | 17.13                  |                   | Deficient |
| DDD .....                               | 17.13                  |                   |           |
| Parathion .....                         | 5.80                   | 5.12              |           |
| Theoretical chlorine .....              | 16.16                  | 15.56             |           |
| DDT .....                               | 17.13                  |                   | Deficient |
| DDD .....                               | 17.13                  |                   |           |
| Parathion .....                         | 5.80                   | 5.22              |           |
| Theoretical chlorine .....              | 16.16                  | 15.65             |           |
| DDT .....                               | 17.13                  |                   | Deficient |
| DDD .....                               | 17.13                  |                   |           |
| Parathion .....                         | 5.80                   | 4.84              |           |
| Theoretical chlorine .....              | 16.16                  | 15.80             |           |
| DDT .....                               | 17.13                  |                   | Deficient |
| DDD .....                               | 17.13                  |                   |           |
| Parathion .....                         | 5.80                   | 4.90              |           |
| Theoretical chlorine .....              | 16.16                  | 15.50             |           |
| DDT .....                               | 17.13                  |                   | Deficient |
| DDD .....                               | 17.13                  |                   |           |
| Parathion .....                         | 5.80                   | 5.29              |           |
| Theoretical chlorine .....              | 16.16                  | 15.85             |           |
| DDT .....                               | 17.13                  |                   | Deficient |
| DDD .....                               | 17.13                  |                   |           |
| Parathion .....                         | 5.80                   | 5.20              |           |
| Theoretical chlorine .....              | 16.16                  | 16.11             |           |

**Carolina Chemicals, Inc.**

## Flight Brand 1% Parathion-5% DDT-5% Rhothane Dust

|                            |      |      |        |
|----------------------------|------|------|--------|
| DDT .....                  | 5.00 |      | Passed |
| DDD .....                  | 5.00 |      |        |
| Parathion .....            | 1.00 | 1.03 |        |
| Theoretical chlorine ..... | 4.72 | 4.69 |        |

| Manufacturers and Brands                    | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                         |
|---|------------------------|-------------------|-----------------------------------|
| <b>Coastal Chemical Corp.</b>               |                        |                   |                                   |
| Coastal Super Knox-Out Tobacco Spray        |                        |                   |                                   |
| DDT .....                                   | 17.20                  |                   | Passed                            |
| DDD .....                                   | 17.20                  |                   |                                   |
| Parathion .....                             | 5.80                   | 5.52              |                                   |
| Theoretical chlorine .....                  | 16.22                  | 16.93             |                                   |
| DDT .....                                   | 17.20                  |                   | Passed                            |
| DDD .....                                   | 17.20                  |                   |                                   |
| Parathion .....                             | 5.80                   | 5.61              |                                   |
| Theoretical chlorine .....                  | 16.22                  | 16.16             |                                   |
| DDT .....                                   | 17.20                  |                   | Passed                            |
| DDD .....                                   | 17.20                  |                   |                                   |
| Parathion .....                             | 5.80                   | 5.81              |                                   |
| Theoretical chlorine .....                  | 16.22                  | 16.85             |                                   |
| DDT .....                                   | 17.20                  |                   | Passed                            |
| DDD .....                                   | 17.20                  |                   |                                   |
| Parathion .....                             | 5.80                   | 5.60              |                                   |
| Theoretical chlorine .....                  | 16.22                  | 15.95             |                                   |
| <b>Daly-Herring Co.</b>                     |                        |                   |                                   |
| Bacco 5-5-1 Dust                            |                        |                   |                                   |
| DDT .....                                   | 5.00                   |                   | Passed                            |
| DDD .....                                   | 5.00                   |                   |                                   |
| Parathion .....                             | 1.00                   | 0.95              |                                   |
| Theoretical chlorine .....                  | 4.72                   | 4.48              |                                   |
| Bacco Insect Spray Emulsifiable Concentrate |                        |                   |                                   |
| DDT .....                                   | 17.58                  |                   | Passed                            |
| DDD .....                                   | 17.58                  |                   |                                   |
| Parathion .....                             | 3.51                   | 3.65              |                                   |
| Theoretical chlorine .....                  | 16.58                  | 16.52             |                                   |
| DDT .....                                   | 17.58                  |                   | Passed                            |
| DDD .....                                   | 17.58                  |                   |                                   |
| Parathion .....                             | 3.51                   | 3.62              |                                   |
| Theoretical chlorine .....                  | 16.58                  | 17.58             |                                   |
| DDT .....                                   | 17.63                  |                   | Passed                            |
| DDD .....                                   | 17.63                  |                   |                                   |
| Parathion .....                             | 7.05                   | 6.73              |                                   |
| Theoretical chlorine .....                  | 16.63                  | 17.75             |                                   |
| DDT .....                                   | 17.63                  |                   | Excessive<br>Active<br>Ingredient |
| DDD .....                                   | 17.63                  |                   |                                   |
| Parathion .....                             | 7.05                   | 8.46              |                                   |
| Theoretical chlorine .....                  | 16.63                  | 16.37             |                                   |



| Manufacturers and Brands                                  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>E-Z-Flo Chemical Co.</b>                               |                        |                   |           |
| <b>E-Z-Flo Tobacco Dust 5-5-1</b>                         |                        |                   |           |
| DDT .....   | 5.00                   |                   | Deficient |
| DDD .....   | 5.00                   |                   |           |
| Parathion .....   | 1.00                   | 1.04              |           |
| Theoretical chlorine .....                                | 4.72                   | 4.05              |           |
| <b>E-Z-Flo 3 Way Spray</b>                                |                        |                   |           |
| DDT .....   | 12.50                  |                   | Passed    |
| DDD .....   | 24.50                  |                   |           |
| Parathion .....   | 6.00                   | 6.20              |           |
| Theoretical chlorine .....                                | 17.11                  | 16.82             |           |
| DDT .....   | 12.50                  |                   | Passed    |
| DDD .....   | 24.50                  |                   |           |
| Parathion .....   | 6.00                   | 5.92              |           |
| Theoretical chlorine .....                                | 17.11                  | 16.26             |           |
| DDT .....   | 12.50                  |                   | Passed    |
| DDD .....   | 24.50                  |                   |           |
| Parathion .....   | 6.00                   | 5.90              |           |
| Theoretical chlorine .....                                | 17.11                  | 16.88             |           |
| DDT .....   | 12.50                  |                   | Deficient |
| DDD .....   | 24.50                  |                   |           |
| Parathion .....   | 6.00                   | 5.72              |           |
| Theoretical chlorine .....                                | 17.11                  | 15.92             |           |
| <b>FCX, Inc.</b>  |                        |                   |           |
| <b>FCX Tobacco Bug Blaster "Plus"</b>                     |                        |                   |           |
| DDT .....   | 11.80                  |                   | Passed    |
| DDD .....   | 23.50                  |                   |           |
| Parathion .....   | 5.90                   | 6.00              |           |
| Theoretical chlorine .....                                | 16.31                  | 16.03             |           |
| <b>W. R. Grace and Co.<br/>Agricultural Products Div.</b> |                        |                   |           |
| <b>Maxwell 5-5-1 Tobacco Dust</b>                         |                        |                   |           |
| DDT .....   | 5.00                   |                   | Passed    |
| DDD .....   | 5.00                   |                   |           |
| Parathion .....   | 1.00                   | 1.05              |           |
| Theoretical chlorine .....                                | 4.72                   | 4.72              |           |
| DDT .....   | 5.00                   |                   | Deficient |
| DDD .....   | 5.00                   |                   |           |
| Parathion .....   | 1.00                   | 0.96              |           |
| Theoretical chlorine .....                                | 4.72                   | 4.25              |           |
| DDT .....   | 5.00                   |                   | Deficient |
| DDD .....   | 5.00                   |                   |           |
| Parathion .....   | 1.00                   | 0.88              |           |
| Theoretical chlorine .....                                | 4.72                   | 4.69              |           |

| Manufacturers and Brands                       | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| DDT .....                                      | 5.00                   |                   | Passed    |
| DDD .....                                      | 5.00                   |                   |           |
| Parathion .....                                | 1.00                   | 0.95              |           |
| Theoretical chlorine .....                     | 4.72                   | 4.72              |           |
| DDT .....                                      | 5.00                   |                   | Passed    |
| DDD .....                                      | 5.00                   |                   |           |
| Parathion .....                                | 1.00                   | 0.96              |           |
| Theoretical chlorine .....                     | 4.72                   | 4.69              |           |
| DDT .....                                      | 5.00                   |                   | Deficient |
| DDD .....                                      | 5.00                   |                   |           |
| Parathion .....                                | 1.00                   | 0.82              |           |
| Theoretical chlorine .....                     | 4.72                   | 4.65              |           |
| Maxwell Tobacco Spray No. 3                    |                        |                   |           |
| DDT .....                                      | 17.50                  |                   | Passed    |
| DDD .....                                      | 17.50                  |                   |           |
| Parathion .....                                | 6.00                   | 5.94              |           |
| Theoretical chlorine .....                     | 16.50                  | 16.54             |           |
| DDT .....                                      | 17.50                  |                   | Passed    |
| DDD .....                                      | 17.50                  |                   |           |
| Parathion .....                                | 6.00                   | 5.79              |           |
| Theoretical chlorine .....                     | 16.50                  | 16.08             |           |
| DDT .....                                      | 17.50                  |                   | Deficient |
| DDD .....                                      | 17.50                  |                   |           |
| Parathion .....                                | 6.00                   | 5.47              |           |
| Theoretical chlorine .....                     | 16.50                  | 16.09             |           |
| DDT .....                                      | 17.50                  |                   | Passed    |
| DDD .....                                      | 17.50                  |                   |           |
| Parathion .....                                | 6.00                   | 5.72              |           |
| Theoretical chlorine .....                     | 16.50                  | 16.83             |           |
| GurMiCo Chemicals, Inc.                        |                        |                   |           |
| GurMiCo Tobacco 5%TDE 5% DDT 1% Parathion Dust |                        |                   |           |
| DDT .....                                      | 5.00                   |                   | Deficient |
| DDD .....                                      | 5.00                   |                   |           |
| Parathion .....                                | 1.00                   | 0.88              |           |
| Theoretical chlorine .....                     | 4.72                   | 4.92              |           |
| GurMiCo Tobacco Rid                            |                        |                   |           |
| DDT .....                                      | 18.70                  |                   | Passed    |
| DDD .....                                      | 18.70                  |                   |           |
| Parathion .....                                | 3.70                   | 4.20              |           |
| Theoretical chlorine .....                     | 17.64                  | 17.14             |           |
| DDT .....                                      | 18.70                  |                   | Passed    |
| DDD .....                                      | 18.70                  |                   |           |
| Parathion .....                                | 3.70                   | 4.33              |           |
| Theoretical chlorine .....                     | 17.64                  | 17.91             |           |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                         |
|----------------------------|------------------------|-------------------|-----------------------------------|
| DDT .....                  | 18.70                  |                   | Passed                            |
| DDD .....                  | 18.70                  |                   |                                   |
| Parathion .....            | 3.70                   | 3.75              |                                   |
| Theoretical chlorine ..... | 17.64                  | 18.33             |                                   |
| DDT .....                  | 18.70                  |                   | Excessive<br>Active<br>Ingredient |
| DDD .....                  | 18.70                  |                   |                                   |
| Parathion .....            | 3.70                   | 5.25              |                                   |
| Theoretical chlorine ..... | 17.64                  | 17.42             |                                   |
| DDT .....                  | 18.70                  |                   | Passed                            |
| DDD .....                  | 18.70                  |                   |                                   |
| Parathion .....            | 3.70                   | 3.77              |                                   |
| Theoretical chlorine ..... | 17.64                  | 17.88             |                                   |

**Howerton Gowen Chemicals, Inc.**

## Gowen's Golden Leaf 3 Way Spray

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| DDT .....                  | 11.60 |       | Passed |
| DDD .....                  | 23.10 |       |        |
| Parathion .....            | 5.80  | 6.09  |        |
| Theoretical chlorine ..... | 16.04 | 16.90 |        |

**Kerr-McGee Chemical Corp.**

## Kerr-McGee Tobacco Special

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| DDT .....                  | 11.05 |       | Passed |
| DDD .....                  | 22.75 |       |        |
| Parathion .....            | 5.50  | 5.80  |        |
| Theoretical chlorine ..... | 16.28 | 17.79 |        |
| DDT .....                  | 11.05 |       | Passed |
| DDD .....                  | 22.75 |       |        |
| Parathion .....            | 5.50  | 5.65  |        |
| Theoretical chlorine ..... | 16.28 | 17.62 |        |

**W. R. Peele Company, Inc.**

## Pelco Super X Tobacco Spray

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| DDT .....                  | 17.13 |       | Passed |
| DDD .....                  | 17.13 |       |        |
| Parathion .....            | 5.80  | 5.70  |        |
| Theoretical chlorine ..... | 16.16 | 15.66 |        |
| DDT .....                  | 17.13 |       | Passed |
| DDD .....                  | 17.13 |       |        |
| Parathion .....            | 5.80  | 5.54  |        |
| Theoretical chlorine ..... | 16.16 | 15.63 |        |
| DDT .....                  | 17.13 |       | Passed |
| DDD .....                  | 17.13 |       |        |
| Parathion .....            | 5.80  | 5.55  |        |
| Theoretical chlorine ..... | 16.16 | 15.46 |        |



| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|----------------------------|------------------------|-------------------|-----------|
| DDT .....                  | 17.13                  |                   | Passed    |
| DDD .....                  | 17.13                  |                   |           |
| Parathion .....            | 5.80                   | 5.86              |           |
| Theoretical chlorine ..... | 16.16                  | 16.03             |           |
| DDT .....                  | 17.13                  |                   | Passed    |
| DDD .....                  | 17.13                  |                   |           |
| Parathion .....            | 5.80                   | 5.52              |           |
| Theoretical chlorine ..... | 16.16                  | 16.07             |           |
| DDT .....                  | 17.13                  |                   | Passed    |
| DDD .....                  | 17.13                  |                   |           |
| Parathion .....            | 5.80                   | 5.51              |           |
| Theoretical chlorine ..... | 16.16                  | 16.17             |           |
| DDT .....                  | 17.13                  |                   | Passed    |
| DDD .....                  | 17.13                  |                   |           |
| Parathion .....            | 5.80                   | 5.89              |           |
| Theoretical chlorine ..... | 16.16                  | 15.62             |           |
| DDT .....                  | 17.13                  |                   | Deficient |
| DDD .....                  | 17.13                  |                   |           |
| Parathion .....            | 5.80                   | 5.36              |           |
| Theoretical chlorine ..... | 16.16                  | 15.61             |           |
| DDT .....                  | 17.13                  |                   | Deficient |
| DDD .....                  | 17.13                  |                   |           |
| Parathion .....            | 5.80                   | 5.33              |           |
| Theoretical chlorine ..... | 16.16                  | 15.56             |           |
| DDT .....                  | 17.13                  |                   | Deficient |
| DDD .....                  | 17.13                  |                   |           |
| Parathion .....            | 5.80                   | 5.38              |           |
| Theoretical chlorine ..... | 16.16                  | 15.70             |           |

**Planters Chemical Corp.**

## Planters 3 Way Spray

|                            |       |       |           |
|----------------------------|-------|-------|-----------|
| DDT .....                  | 12.50 |       | Deficient |
| DDD .....                  | 24.50 |       |           |
| Parathion .....            | 6.00  | 5.71  |           |
| Theoretical chlorine ..... | 17.11 | 15.60 |           |

**Royster Chemical Co.**

## Royster Chem-Pest Tobacco "15155" Spray Concentrate

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| DDT .....                  | 17.50 |       | Passed |
| DDD .....                  | 17.50 |       |        |
| Parathion .....            | 5.92  | 5.87  |        |
| Theoretical chlorine ..... | 16.50 | 16.38 |        |
| DDT .....                  | 17.50 |       | Passed |
| DDD .....                  | 17.50 |       |        |
| Parathion .....            | 5.92  | 5.81  |        |
| Theoretical chlorine ..... | 16.50 | 16.52 |        |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| <b>Smith-Douglass Company, Inc.</b><br><b>(Now: The Borden Chemical Co.</b><br><b>Smith-Douglass Div.)</b> |                        |                   |           |
| Smith-Douglass Voo-Doo   |                        |                   |           |
| DDT .....  | 17.13                  |                   | Passed    |
| DDD .....  | 17.13                  |                   |           |
| Parathion .....  | 5.80                   | 5.51              |           |
| Theoretical chlorine .....   | 16.16                  | 15.35             |           |
| <b>DDT-FERBAM</b>  |                        |                   |           |
| <b>The Borden Chemical Co.</b><br><b>Smith-Douglass Div.</b>   |                        |                   |           |
| Smith-Douglass Fermate-DDT Plant Bed Dust  |                        |                   |           |
| DDT .....  | 3.00                   | 3.07              | Deficient |
| Ferbam .....   | 11.40                  | 10.10             |           |
| <b>Cape Fear Chemicals, Inc.</b>   |                        |                   |           |
| Tiger Brand 15% Fermate-3% DDT Dust  |                        |                   |           |
| DDT .....  | 3.00                   | 3.11              | Passed    |
| Ferbam .....   | 11.40                  | 11.09             |           |
| <b>Carolina Chemical Corp.</b>   |                        |                   |           |
| Fermate DDT Dust   |                        |                   |           |
| DDT .....  | 3.00                   | 2.96              | Passed    |
| Ferbam .....   | 11.40                  | 11.50             |           |
| DDT .....  | 3.00                   | 2.93              | Passed    |
| Ferbam .....   | 11.40                  | 11.78             |           |
| <b>Coastal Chemical Corp.</b>  |                        |                   |           |
| Coastal 15% Fermate 3% DDT Dust  |                        |                   |           |
| DDT .....  | 3.00                   | 2.89              | Passed    |
| Ferbam .....   | 11.40                  | 10.92             |           |
| <b>Daly-Herring Co.</b>  |                        |                   |           |
| Dee Aitch 15% Fermate 3% DDT Dust  |                        |                   |           |
| DDT .....  | 3.00                   | 2.85              | Passed    |
| Ferbam .....   | 11.40                  | 11.20             |           |
| <b>E-Z-Flo Chemical Co.</b>  |                        |                   |           |
| E-Z-Flo Fermate-DDT Tobacco Bed Dust   |                        |                   |           |
| DDT .....  | 3.00                   | 3.15              | Deficient |
| Ferbam .....   | 11.40                  | 9.75              |           |

| Manufacturers and Brands                                  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>FCX, Inc.</b>  |                        |                   |           |
| FCX Ferbam No. 10 + 5% DDT Dust                           |                        |                   |           |
| DDT .....   | 5.00                   | 4.86              | Passed    |
| Ferbam .....  | 11.40                  | 11.26             |           |
| DDT .....   | 5.00                   | 4.86              | Passed    |
| Ferbam .....  | 11.40                  | 11.23             |           |
| DDT .....   | 5.00                   | 4.64              | Deficient |
| Ferbam .....  | 11.40                  | 10.96             |           |
| <b>W. R. Grace and Co.<br/>Agricultural Products Div.</b> |                        |                   |           |
| Maxwell Ferbam DDT Dust                                   |                        |                   |           |
| DDT .....   | 3.00                   | 3.34              | Passed    |
| Ferbam .....  | 11.40                  | 12.29             |           |
| DDT .....   | 3.00                   | 2.92              | Passed    |
| Ferbam .....  | 11.40                  | 10.92             |           |
| <b>Howerton Gowen Chemicals, Inc.</b>                     |                        |                   |           |
| Gowen's 15% Fermate Dust with 3% DDT                      |                        |                   |           |
| DDT .....   | 3.00                   | 2.96              | Deficient |
| Ferbam .....  | 11.40                  | 10.50             |           |
| <b>Olin Mathieson Chemical Corp.</b>                      |                        |                   |           |
| Mathieson Ferbam-DDT Dust                                 |                        |                   |           |
| DDT .....   | 3.00                   | 2.96              | Passed    |
| Ferbam .....  | 11.40                  | 11.61             |           |
| <b>W. R. Peele Company, Inc.</b>                          |                        |                   |           |
| Pelco Ferbam DDT Dust                                     |                        |                   |           |
| DDT .....   | 3.00                   | 3.15              | Passed    |
| Ferbam .....  | 11.40                  | 12.64             |           |
| DDT .....   | 3.00                   | 2.85              | Passed    |
| Ferbam .....  | 11.40                  | 10.85             |           |
| <b>Planters Chemical Corp.</b>                            |                        |                   |           |
| Planters Fermate-DDT Plant Bed Dust                       |                        |                   |           |
| DDT .....   | 3.00                   | 2.70              | Deficient |
| Ferbam .....  | 11.40                  | 10.89             |           |
| DDT .....   | 3.00                   | 2.70              | Deficient |
| Ferbam .....  | 11.40                  | 11.64             |           |



| Manufacturers and Brands                              | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| Royster Chemical Co.                                  |                        |                   |           |
| Royster Chem-Pest "515"                               |                        |                   |           |
| DDT _____   | 5.00                   | 4.86              | Passed    |
| Ferbam _____  | 11.40                  | 11.02             |           |
| DDT-FERBAM-SULFUR                                     |                        |                   |           |
| Farmers Cooperative Exchange, Inc.<br>(Now FCX, Inc.) |                        |                   |           |
| FCX Rose Dust   |                        |                   |           |
| DDT _____   | 5.00                   | 4.86              | Deficient |
| Ferbam _____  | 7.60                   | 7.60              |           |
| Sulfur _____  | 75.00                  | 70.50             |           |
| DDT-LETHANE 384                                       |                        |                   |           |
| Boyle-Midway Inc.                                     |                        |                   |           |
| Black Flag Insect Spray                               |                        |                   |           |
| DDT _____   | 5.00                   | 5.27              | Passed    |
| Lethane 384 _____                                     | 1.00                   | Present           |           |
| DDT _____   | 5.00                   | 5.16              | Passed    |
| Lethane 384 _____                                     | 1.00                   | Present           |           |
| DDT _____   | 5.00                   | 4.98              | Passed    |
| Lethane 384 _____                                     | 1.00                   | Present           |           |
| DDT _____   | 5.00                   | 5.11              | Passed    |
| Lethane 384 _____                                     | 1.00                   | Present           |           |
| DDT _____   | 5.00                   | 5.37              | Passed    |
| Lethane 384 _____                                     | 1.00                   | Present           |           |
| DDT _____   | 5.00                   | 4.92              | Passed    |
| Lethane 384 _____                                     | 1.00                   | Present           |           |
| DDT-MALATHION   |                        |                   |           |
| E-Z-Flo Chemical Co.                                  |                        |                   |           |
| E-Z-Flo Malathion-DDT LV                              |                        |                   |           |
| DDT _____   | 33.52                  | 33.14             | Passed    |
| Malathion _____                                       | 16.77                  | 16.94             |           |
| DDT-MANEB   |                        |                   |           |
| Coastal Chemical Corp.                                |                        |                   |           |
| Coastal Dithane M-22 Plus DDT                         |                        |                   |           |
| DDT _____   | 3.00                   | 3.00              | Deficient |
| Maneb _____   | 1.40                   | 1.22              |           |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**Daly-Hering Co.**

Dee Aitch Dithane M-22 DDT Dust

|             |      |      |           |
|-------------|------|------|-----------|
| DDT .....   | 3.00 | 2.89 | Deficient |
| Maneb ..... | 1.40 | 0.56 |           |

**DDT-METHOXYCHLOR-PIPERONYL BUTOXIDE-  
PYRETHRINS-ROTENONE****Boyle-Midway Inc.**

Black Flag House and Garden Insect Killer

|                            |      |         |        |
|----------------------------|------|---------|--------|
| DDT .....                  | 1.00 |         | Passed |
| Methoxychlor .....         | 1.00 |         |        |
| Piperonyl butoxide .....   | 0.25 | 0.27    |        |
| Pyrethrins .....           | 0.20 | 0.28    |        |
| Rotenone .....             | 0.10 | Present |        |
| Theoretical chlorine ..... | 0.80 | 0.98    |        |

|                            |      |         |        |
|----------------------------|------|---------|--------|
| DDT .....                  | 1.00 |         | Passed |
| Methoxychlor .....         | 1.00 |         |        |
| Piperonyl butoxide .....   | 0.25 | 0.28    |        |
| Pyrethrins .....           | 0.20 | 0.26    |        |
| Rotenone .....             | 0.10 | Present |        |
| Theoretical chlorine ..... | 0.80 | 1.01    |        |

**DDT-METHYL PARATHION****Chevron Chemical Company—Ortho Div.**

Ortho Methyl Parathion-DDT 2.5-10 Dust

|                        |       |       |           |
|------------------------|-------|-------|-----------|
| DDT .....              | 10.00 | 10.00 | Deficient |
| Methyl parathion ..... | 2.50  | 0.99  |           |

**E-Z-Flo Chemical Co.**

E-Z-Flo Methyl Parathion-DDT 2½-10 Dust

|                        |       |      |           |
|------------------------|-------|------|-----------|
| DDT .....              | 10.00 | 8.50 | Deficient |
| Methyl parathion ..... | 2.50  | 1.70 |           |

|                        |       |      |           |
|------------------------|-------|------|-----------|
| DDT .....              | 10.00 | 9.93 | Deficient |
| Methyl parathion ..... | 2.50  | 1.45 |           |

|                        |       |      |           |
|------------------------|-------|------|-----------|
| DDT .....              | 10.00 | 9.71 | Deficient |
| Methyl parathion ..... | 2.50  | 2.04 |           |

**Royster Chemical Co.**

Royster Chem-Pest "1025"

|                        |       |       |           |
|------------------------|-------|-------|-----------|
| DDT .....              | 10.00 | 10.50 | Deficient |
| Methyl parathion ..... | 2.50  | 2.13  |           |

|                        |       |       |           |
|------------------------|-------|-------|-----------|
| DDT .....              | 10.00 | 10.50 | Deficient |
| Methyl parathion ..... | 2.50  | 1.39  |           |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**Southern Agricultural Chemicals, Inc.**

Royal Brand 2½-10 MP Cotton Dust

|                        |       |      |                |
|------------------------|-------|------|----------------|
| DDT .....              | 10.00 | 9.93 | Deficient      |
| Methyl parathion ..... | 2.50  | 2.21 | Not Registered |

**Woolfolk Chemical Works, Ltd.**

Security Brand 2½% Methyl Parathion 5% DDT Cotton Dust

|                        |      |      |           |
|------------------------|------|------|-----------|
| DDT .....              | 5.00 | 5.25 | Deficient |
| Methyl parathion ..... | 2.50 | 1.97 |           |

Security Brand 2½% Methyl Parathion 10% DDT Cotton Dust

|                        |       |       |           |
|------------------------|-------|-------|-----------|
| DDT .....              | 10.00 | 10.35 | Deficient |
| Methyl parathion ..... | 2.50  | 1.55  |           |
| DDT .....              | 10.00 | 12.00 | Passed    |
| Methyl parathion ..... | 2.50  | 2.41  |           |

**DDT-METHYL TRITHION****Carolina Chemicals, Inc.**

Flight Brand DDT-Methyl Trithion 7-3 Dust

|                            |      |      |        |
|----------------------------|------|------|--------|
| DDT .....                  | 7.00 |      | Passed |
| Methyl trithion .....      | 3.00 |      |        |
| Theoretical chlorine ..... | 3.84 | 3.78 |        |

**E-Z-Flo Chemical Co.**

E-Z-Flo Megathon 3-7 Dust

|                            |      |      |        |
|----------------------------|------|------|--------|
| DDT .....                  | 7.00 |      | Passed |
| Methyl trithion .....      | 3.00 |      |        |
| Theoretical chlorine ..... | 3.84 | 3.73 |        |

E-Z-Flo Megathon

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| DDT .....                  | 23.30 |       | Passed |
| Methyl trithion .....      | 11.60 |       |        |
| Theoretical chlorine ..... | 12.95 | 13.02 |        |

**Olin Mathieson Chemical Corp.**

Mathieson DDT-Methyl Trithion 2 lb.-1 lb. Emulsifiable Liquid

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| DDT .....                  | 23.20 |       | Passed |
| Methyl trithion .....      | 11.40 |       |        |
| Theoretical chlorine ..... | 12.88 | 12.56 |        |

Mathieson DDT-Methyl Trithion 3 lb.-1.5 lb. Emulsifiable Liquid

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| DDT .....                  | 32.50 |       | Passed |
| Methyl trithion .....      | 15.80 |       |        |
| Theoretical chlorine ..... | 18.02 | 18.21 |        |



| Manufacturers and Brands               | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| DDT .....                              | 32.70                  |                   | Passed    |
| Methyl trithion .....                  | 15.50                  |                   |           |
| Theoretical chlorine .....             | 18.09                  | 18.18             |           |
| <b>Stauffer Chemical Co.</b>           |                        |                   |           |
| Stauffer Methyl Trithion-DDT 3-7 Dust  |                        |                   |           |
| DDT .....                              | 7.00                   |                   | Passed    |
| Methyl trithion .....                  | 3.00                   |                   |           |
| Theoretical chlorine .....             | 3.84                   | 4.09              |           |
| Stauffer Methyl Trithion-DDT 3-10 Dust |                        |                   |           |
| DDT .....                              | 10.00                  |                   | Passed    |
| Methyl trithion .....                  | 3.00                   |                   |           |
| Theoretical chlorine .....             | 5.34                   | 5.26              |           |
| DDT .....                              | 10.00                  |                   | Passed    |
| Methyl trithion .....                  | 3.00                   |                   |           |
| Theoretical chlorine .....             | 5.34                   | 5.26              |           |
| Stauffer Methyl Trithion with DDT 1-2E |                        |                   |           |
| DDT .....                              | 23.20                  |                   | Passed    |
| Methyl trithion .....                  | 11.60                  |                   |           |
| Theoretical chlorine .....             | 12.90                  | 13.00             |           |
| DDT .....                              | 23.30                  |                   | Passed    |
| Methyl trithion .....                  | 11.60                  |                   |           |
| Theoretical chlorine .....             | 12.95                  | 12.97             |           |
| <b>Woolfolk Chemical Works, Ltd.</b>   |                        |                   |           |
| Security Brand Tri-Me 2½-7             |                        |                   |           |
| DDT .....                              | 7.00                   |                   | Passed    |
| Methyl trithion .....                  | 2.50                   |                   |           |
| Theoretical chlorine .....             | 3.78                   | 4.13              |           |
| DDT .....                              | 7.00                   |                   | Passed    |
| Methyl trithion .....                  | 2.50                   |                   |           |
| Theoretical chlorine .....             | 3.78                   | 3.73              |           |
| Security Brand Tri-Me 2½-10            |                        |                   |           |
| DDT .....                              | 10.00                  |                   | Passed    |
| Methyl trithion .....                  | 2.50                   |                   |           |
| Theoretical chlorine .....             | 5.28                   | 5.24              |           |
| DDT .....                              | 10.00                  |                   | Passed    |
| Methyl trithion .....                  | 2.50                   |                   |           |
| Theoretical chlorine .....             | 5.28                   | 5.04              |           |
| DDT .....                              | 10.00                  |                   | Passed    |
| Methyl trithion .....                  | 2.50                   |                   |           |
| Theoretical chlorine .....             | 5.28                   | 5.28              |           |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**DDT-NAPHTHALENE-PHENOLS****Hess and Clark****A Division of Richardson-Merrell, Inc.**

Hess and Clark Drycide

|                   |      |         |        |
|-------------------|------|---------|--------|
| DDT .....         | 1.00 | 1.15    | Passed |
| Naphthalene ..... | 1.50 | Present |        |
| Phenols .....     | 0.25 | Present |        |

**DDT-PARATHION-SULFUR****Southern Agricultural Insecticides, Inc.**

SA-50 Brand 1 1/2% Parathion Dust with 5% DDT 25% Sulfur

|                 |       |       |        |
|-----------------|-------|-------|--------|
| DDT .....       | 5.00  | 5.36  | Passed |
| Parathion ..... | 1.50  | 1.51  |        |
| Sulfur .....    | 25.00 | 25.43 |        |

**DDT-PARATHION-THIODAN****Daly-Herring Co.**

Bacco Supreme Dust

|                            |      |      |                |
|----------------------------|------|------|----------------|
| DDT .....                  | 5.00 |      | Not Registered |
| Parathion .....            | 1.00 | 0.98 |                |
| Thiodan .....              | 1.00 |      |                |
| Theoretical chlorine ..... | 3.02 | 3.02 |                |

Bacco Supreme Emulsifiable Concentrate

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| DDT .....                  | 18.10 |       | Passed |
| Parathion .....            | 3.62  | 3.47  |        |
| Thiodan .....              | 6.03  |       |        |
| Theoretical chlorine ..... | 12.20 | 12.45 |        |

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| DDT .....                  | 18.10 |       | Passed |
| Parathion .....            | 3.62  | 4.09  |        |
| Thiodan .....              | 6.03  |       |        |
| Theoretical chlorine ..... | 12.20 | 12.36 |        |

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| DDT .....                  | 18.10 |       | Passed |
| Parathion .....            | 3.62  | 4.18  |        |
| Thiodan .....              | 6.03  |       |        |
| Theoretical chlorine ..... | 12.20 | 12.12 |        |

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| DDT .....                  | 18.10 |       | Passed |
| Parathion .....            | 3.62  | 3.88  |        |
| Thiodan .....              | 6.03  |       |        |
| Theoretical chlorine ..... | 12.20 | 12.29 |        |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**DDT-PIPERONYL BUTOXIDE-PYRETHRINS****A-Penn Oil Co.  
(Registered by Penn Corp.)****Kilzum 2 in 1 Insect Spray**

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| DDT .....                | 5.00  | 4.88  | Passed |
| Piperonyl butoxide ..... | 0.052 | 0.08  |        |
| Pyrethrins .....         | 0.021 | 0.034 |        |
| DDT .....                | 5.00  | 4.82  | Passed |
| Piperonyl butoxide ..... | 0.052 | 0.08  |        |
| Pyrethrins .....         | 0.021 | 0.03  |        |

**Boyle-Midway Inc.****Black Flag Insect Bomb**

|                          |      |      |        |
|--------------------------|------|------|--------|
| DDT .....                | 2.00 | 2.08 | Passed |
| Piperonyl butoxide ..... | 0.80 | 0.88 |        |
| Pyrethrins .....         | 0.25 | 0.26 |        |

**Gulf Oil Corp.****Gulf House Garden Insect Killer**

|                          |      |      |        |
|--------------------------|------|------|--------|
| DDT .....                | 2.00 | 1.98 | Passed |
| Piperonyl butoxide ..... | 1.00 | 0.79 |        |
| Pyrethrins .....         | 0.25 | 0.29 |        |

**The Kroger Co.****Kroger Kandu Flying Insect Killer**

|                          |      |      |        |
|--------------------------|------|------|--------|
| DDT .....                | 2.00 | 2.05 | Passed |
| Piperonyl butoxide ..... | 0.80 | 0.84 |        |
| Pyrethrins .....         | 0.25 | 0.29 |        |

**Rigo Manufacturing Co.****Kill-Ko Super Strength Plus 5% DDT**

|                          |      |       |           |
|--------------------------|------|-------|-----------|
| DDT .....                | 5.00 | 4.71  | Deficient |
| Piperonyl butoxide ..... | 0.30 | 0.24  |           |
| Pyrethrins .....         | 0.03 | 0.038 |           |

**DDT-POLYRAM****Daly-Herring Co.****Bacco-Bed Dust (Contains 3.5% Polyram and 5.0% DDT)**

|               |      |      |                |
|---------------|------|------|----------------|
| DDT .....     | 5.00 | 5.00 | Not Registered |
| Polyram ..... | 3.50 | 3.88 |                |



| Manufacturers and Brands                                  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>FCX, Inc.</b>  |                        |                   |                |
| FCX Polyram 3.5 Dust with DDT                             |                        |                   |                |
| DDT .....   | 5.00                   | 4.96              | Passed         |
| Polyram .....   | 3.50                   | 3.42              |                |
| FCX 5% Polyram + 5% DDT Dust Fungicide                    |                        |                   |                |
| DDT .....   | 5.00                   | 4.89              | Not Registered |
| Polyram .....   | 5.00                   | 5.35              |                |
| <b>Niagara Chemical Division—FMC Corp.</b>                |                        |                   |                |
| Niagara Polyram 5 DDT 5 Dust Fungicide-Insecticide        |                        |                   |                |
| DDT .....   | 5.00                   | 5.00              | Passed         |
| Polyram .....   | 5.00                   | 5.52              |                |
| <b>DDT-PYRETHRINS</b>                                     |                        |                   |                |
| <b>Dr. LeGear Medicine Co.</b>                            |                        |                   |                |
| <b>(Now: LeGear Laboratories, Inc.)</b>                   |                        |                   |                |
| Dr. LeGear's Flea and Tick Powder                         |                        |                   |                |
| DDT .....   | 10.00                  | 10.00             | Passed         |
| Pyrethrins .....  | 0.50                   | 0.46              |                |
| <b>DDT-THANITE</b>  |                        |                   |                |
| <b>Chase Products Company and/or 5 and 5 Products Co.</b> |                        |                   |                |
| Sands Insect Killer                                       |                        |                   |                |
| DDT .....   | 5.00                   | 4.82              | Passed         |
| Thanite .....   | 2.50                   | 2.99              |                |
| DDT .....   | 5.00                   | 4.10              | Deficient      |
| Thanite .....   | 2.50                   | 2.73              |                |
| <b>DDT-ZINEB</b>  |                        |                   |                |
| <b>Armour Agricultural Chemical Co.</b>                   |                        |                   |                |
| Armagard 6½% Zineb-3% DDT Dust                            |                        |                   |                |
| DDT .....   | 3.00                   | 4.05              | Deficient      |
| Zineb .....   | 6.50                   | 5.42              | Not Registered |
| DDT .....   | 3.00                   | 3.45              | Deficient      |
| Zineb .....   | 6.50                   | 3.67              | Not Registered |
| <b>The Borden Chemical Co.</b>                            |                        |                   |                |
| <b>Smith-Douglass Div.</b>                                |                        |                   |                |
| Smith-Douglass Zineb Dust with DDT                        |                        |                   |                |
| DDT .....   | 5.00                   | 4.14              | Deficient      |
| Zineb .....   | 3.90                   | 3.56              |                |

| Manufacturers and Brands                                  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>Carolina Chemical Corp.</b>                            |                        |                   |           |
| Champion 10% Dithane Z-78 Plus 3% DDT Dust                |                        |                   |           |
| DDT .....   | 3.00                   | 2.55              | Deficient |
| Zineb .....   | 6.50                   | 5.88              |           |
| <b>Carter Insecticide and Chemical Company, Inc.</b>      |                        |                   |           |
| Carolina Brand Dithane-DDT Dust                           |                        |                   |           |
| DDT .....   | 3.00                   | 3.15              | Passed    |
| Zineb .....   | 6.50                   | 6.30              |           |
| <b>E-Z-Flo Chemical Co.</b>                               |                        |                   |           |
| E-Z-Flo Zineb-DDT Tobacco Bed Dust                        |                        |                   |           |
| DDT .....   | 3.00                   | 3.01              | Passed    |
| Zineb .....   | 6.50                   | 6.29              |           |
| <b>FCX, Inc.</b>  |                        |                   |           |
| FCX 6.5% Zineb Dust Plus 5% DDT Dust                      |                        |                   |           |
| DDT .....   | 5.00                   | 5.00              | Passed    |
| Zineb .....   | 6.50                   | 6.27              |           |
| DDT .....   | 5.00                   | 4.93              | Passed    |
| Zineb .....   | 6.50                   | 7.04              |           |
| <b>W. R. Grace and Co.<br/>Agricultural Products Div.</b> |                        |                   |           |
| Maxwell Dithane DDT Dust                                  |                        |                   |           |
| DDT .....   | 3.00                   | 3.34              | Passed    |
| Zineb .....   | 6.50                   | 6.19              |           |
| DDT .....   | 3.00                   | 2.96              | Deficient |
| Zineb .....   | 6.50                   | 6.15              |           |
| <b>Niagara Chemical Division—FMC Corp.</b>                |                        |                   |           |
| Niagara Zineb 6.5 Niatox 5 Dust                           |                        |                   |           |
| DDT .....   | 5.00                   | 5.00              | Deficient |
| Zineb .....   | 6.50                   | 5.68              |           |
| <b>W. R. Peele Company, Inc.</b>                          |                        |                   |           |
| Pelco Dithane DDT Dust                                    |                        |                   |           |
| DDT .....   | 3.00                   | 3.04              | Deficient |
| Zineb .....   | 6.50                   | 6.01              |           |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Royster Chemical Co.</b>  |                        |                   |                |
| Royster Chem-Pest "565" 5% DDT and 6.5% Parazate (Zineb)               |                        |                   |                |
| DDT .....  | 5.00                   | 5.25              | Deficient      |
| Zineb .....  | 6.50                   | 5.63              |                |
| <b>DDVP</b>  |                        |                   |                |
| <b>Allied Mills, Inc.</b>  |                        |                   |                |
| Wayne Fly Killer Sugar Bait  |                        |                   |                |
| DDVP .....   | 0.50                   | 0.45              | Passed         |
| do .....   | 0.50                   | 0.81              | Passed         |
| <b>Cook Chemical Co.</b>   |                        |                   |                |
| Real Kill Insect Bomb  |                        |                   |                |
| DDVP .....   | 0.50                   | 0.48              | Passed         |
| <b>E. Joseph Cossman and Co.<br/>(Registered by Alco Chemical Co.)</b> |                        |                   |                |
| Cossman Fly Cake   |                        |                   |                |
| DDVP .....   | 0.25                   | 0.02              | Deficient      |
| do .....   | 0.25                   | 0.39              | Passed         |
| <b>Dixi-Chem of Greenville, Inc.</b>                                   |                        |                   |                |
| Di Sect Fly Bait   |                        |                   |                |
| DDVP .....   | 0.50                   | 0.60              | Passed         |
| <b>F and W Enterprises, Inc.</b>                                       |                        |                   |                |
| Flyco Brand Wet or Dry Fly Bait  |                        |                   |                |
| DDVP .....   | 0.50                   | 0.87              | Passed         |
| do .....   | 0.50                   | 0.71              | Passed         |
| <b>The Farnam Co.</b>  |                        |                   |                |
| Farnam Stable Spray Fly Killer Concentrate                             |                        |                   |                |
| DDVP .....   | 8.25                   | 8.03              | Not Registered |
| <b>Hartz Mountain Products Corp.</b>                                   |                        |                   |                |
| Hartz Mountain Wonder Flea Collar for Dogs                             |                        |                   |                |
| DDVP .....   | 10.00                  | 9.83              | Passed         |



| Manufacturers and Brands               | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                   |
|--|------------------------|-------------------|-----------------------------|
| <b>Real-Kill Products</b>              |                        |                   |                             |
| <b>A Division of Cook Chemical Co.</b> |                        |                   |                             |
| Real-Kill Insect Spray                 |                        |                   |                             |
| DDVP .....                             | 0.50                   | 0.55              | Passed                      |
| <b>Rexall Drug Co.</b>                 |                        |                   |                             |
| Rexall Fly Killer Block                |                        |                   |                             |
| DDVP .....                             | 0.25                   | 0.06              | Deficient<br>Not Registered |
| <b>Rigo Manufacturing Co.</b>          |                        |                   |                             |
| Kill-Ko Sugar Base Fly Bait            |                        |                   |                             |
| DDVP .....                             | 0.50                   | 0.60              | Passed                      |
| do .....                               | 0.50                   | 0.55              | Passed                      |
| <b>DDVP-CIODRIN</b>                    |                        |                   |                             |
| <b>Allied Mills, Inc.</b>              |                        |                   |                             |
| Wayne Super Dairy Spray                |                        |                   |                             |
| DDVP .....                             | 0.25                   |                   | Passed                      |
| Ciodrin .....                          | 1.00                   |                   |                             |
| Theoretical phosphorus .....           | 0.14                   | 0.16              |                             |
| <b>Shell Chemical Co.</b>              |                        |                   |                             |
| <b>Agricultural Chemical Div.</b>      |                        |                   |                             |
| Ciovap Insecticide                     |                        |                   |                             |
| DDVP .....                             | 0.25                   |                   | Passed                      |
| Ciodrin .....                          | 1.00                   |                   |                             |
| Theoretical phosphorus .....           | 0.14                   | 0.15              |                             |
| <b>Thompson-Hayward Chemical Co.</b>   |                        |                   |                             |
| De-Pester C-V Dairy Spray              |                        |                   |                             |
| DDVP .....                             | 0.25                   |                   | Passed                      |
| Ciodrin .....                          | 1.00                   |                   |                             |
| Theoretical phosphorus .....           | 0.14                   | 0.13              |                             |
| DDVP .....                             | 0.25                   |                   | Passed                      |
| Ciodrin .....                          | 1.00                   |                   |                             |
| Theoretical phosphorus .....           | 0.14                   | 0.15              |                             |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| <b>DDVP-DIOXATHION</b>   |                        |                   |           |
| <b>Starbar, Inc.</b>   |                        |                   |           |
| <b>A Division of Thuron Industries, Inc.</b>                     |                        |                   |           |
| <b>(Now: Thuron Industries, Inc.)</b>                            |                        |                   |           |
| Starbar Lintox-D Livestock Spray and Dip Back Rubber Concentrate |                        |                   |           |
| DDVP .....   | 1.07                   |                   | Passed    |
| Dioxathion .....   | 15.00                  |                   |           |
| Theoretical phosphorus .....                                     | 2.19                   | 2.10              |           |
| <b>DDVP-DIPTEREX</b>   |                        |                   |           |
| <b>Ralston Purina Co.</b>  |                        |                   |           |
| Purina Fly Bait  |                        |                   |           |
| DDVP .....   | 0.25                   |                   | Passed    |
| Dipterex .....   | 0.25                   |                   |           |
| Theoretical phosphorus .....                                     | 0.07                   | 0.10              |           |
| <b>DDVP-PIPERONYL BUTOXIDE-PYRETHRINS</b>                        |                        |                   |           |
| <b>Shell Oil Co.</b>   |                        |                   |           |
| Shelltox with Vapona Aerosol Insecticide                         |                        |                   |           |
| DDVP .....   | 0.50                   | 0.45              | Passed    |
| Piperonyl butoxide .....   | 0.75                   | 0.73              |           |
| Pyrethrins .....   | 0.30                   | 0.30              |           |
| <b>United Co-Operatives, Inc.</b>                                |                        |                   |           |
| Unico Py-Vona Stock Fly Spray                                    |                        |                   |           |
| DDVP .....   | 0.20                   | 0.22              | Passed    |
| Piperonyl butoxide .....   | 0.25                   | 0.24              |           |
| Pyrethrins .....   | 0.03                   | 0.03              |           |
| <b>DELPHENE</b>  |                        |                   |           |
| <b>Gulf Oil Corp.</b>  |                        |                   |           |
| Gulf Insect Repellent  |                        |                   |           |
| Delphene .....   | 15.00                  | 15.17             | Passed    |
| do .....   | 15.00                  | 14.86             | Passed    |
| <b>Hot Shot Quality Products, Inc.</b>                           |                        |                   |           |
| Scram Insect Repellent   |                        |                   |           |
| Delphene .....   | 50.00                  | 49.18             | Passed    |
| do .....   | 50.00                  | 47.73             | Passed    |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| <b>S. C. Johnson and Son, Inc.</b>   |                        |                   |           |
| Off! Pressurized Insect Repellent  |                        |                   |           |
| Delphene .....   | 15.00                  | 15.12             | Passed    |
| <b>McKesson Laboratories</b>   |                        |                   |           |
| McKesson Mosquitone Insect Repellent Lotion  |                        |                   |           |
| Delphene .....   | 50.00                  | 51.52             | Passed    |
| <b>DELPHENE—DI-N-PROPYL ISOCINCHOMERONATE—N—OCTYL<br/>BICYCLOHEPTENE DICARBOXIMIDE</b> |                        |                   |           |
| <b>Boyle-Midway Inc.</b>   |                        |                   |           |
| Black Flag Ridz Insect Repellent Towelettes  |                        |                   |           |
| Delphene .....   | 5.00                   |                   | Passed    |
| Di-n-propyl isocinchomeronate .....  | 0.36                   |                   |           |
| N-octyl bicycloheptene dicarboximide .....   | 1.44                   |                   |           |
| Theoretical nitrogen .....   | 0.46                   | 0.69              |           |
| <b>Geigy Agricultural Chemicals</b>  |                        |                   |           |
| Kik Personal Insect Repellent  |                        |                   |           |
| Delphene .....   | 2.00                   |                   | Passed    |
| Di-n-propyl isocinchomeronate .....  | 0.50                   |                   |           |
| N-octyl bicycloheptene dicarboximide .....   | 2.00                   |                   |           |
| Theoretical nitrogen .....   | 0.28                   | 0.24              |           |
| Delphene .....   | 2.00                   |                   | Passed    |
| Di-n-propyl isocinchomeronate .....  | 0.50                   |                   |           |
| N-octyl bicycloheptene dicarboximide .....   | 2.00                   |                   |           |
| Theoretical nitrogen .....   | 0.28                   | 0.27              |           |
| Delphene .....   | 2.00                   |                   | Passed    |
| Di-n-propyl isocinchomeronate .....  | 0.50                   |                   |           |
| N-octyl bicycloheptene dicarboximide .....   | 2.00                   |                   |           |
| Theoretical nitrogen .....   | 0.28                   | 0.26              |           |
| <b>Holland-Rantos Company, Inc.</b>  |                        |                   |           |
| H-R Wipe On Insect Repellent   |                        |                   |           |
| Delphene .....   | 4.987                  |                   | Passed    |
| Di-n-propyl isocinchomeronate .....  | 0.356                  |                   |           |
| N-octyl bicycloheptene dicarboximide .....   | 1.425                  |                   |           |
| Theoretical nitrogen .....   | 0.46                   | 0.60              |           |
| Delphene .....   | 4.987                  |                   | Passed    |
| Di-n-propyl isocinchomeronate .....  | 0.356                  |                   |           |
| N-octyl bicycloheptene dicarboximide .....   | 1.425                  |                   |           |
| Theoretical nitrogen .....   | 0.46                   | 0.62              |           |



| Manufacturers and Brands                      | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>DEMETON</b>                                |                        |                   |           |
| <b>Chemagro Corp.</b>                         |                        |                   |           |
| Systox Spray Concentrate Systemic Insecticide |                        |                   |           |
| Demeton .....                                 | 28.50                  | 28.25             | Passed    |
| do .....                                      | 28.50                  | 27.16             | Passed    |
| <b>DIAZINON</b>                               |                        |                   |           |
| <b>Geigy Agricultural Chemicals</b>           |                        |                   |           |
| Spectracide Diazinon 25E Insecticide          |                        |                   |           |
| Diazinon .....                                | 25.00                  | 24.81             | Passed    |
| Spectracide Lawn and Garden Insect Control    |                        |                   |           |
| Diazinon .....                                | 25.00                  | 27.24             | Passed    |
| Giegy Diazinon AG500 Insecticide              |                        |                   |           |
| Diazinon .....                                | 48.00                  | 49.01             | Passed    |
| Geigy Diazinon 50W                            |                        |                   |           |
| Diazinon .....                                | 50.00                  | 49.91             | Passed    |
| <b>DIAZINON-PIPERONYL BUTOXIDE-PYRETHRINS</b> |                        |                   |           |
| <b>Geigy Agricultural Chemicals</b>           |                        |                   |           |
| Geigy Crawl-Tox (Liquid)                      |                        |                   |           |
| Diazinon .....                                | 0.50                   | 0.42              | Passed    |
| Piperonyl butoxide .....                      | 0.261                  | 0.25              |           |
| Pyrethrins .....                              | 0.052                  | 0.07              |           |
| Diazinon .....                                | 0.50                   | 0.48              | Passed    |
| Piperonyl butoxide .....                      | 0.261                  | 0.25              |           |
| Pyrethrins .....                              | 0.052                  | 0.055             |           |
| Geigy Crawl-Tox (Pressurized)                 |                        |                   |           |
| Diazinon .....                                | 0.50                   | 0.48              | Passed    |
| Piperonyl butoxide .....                      | 0.261                  | 0.22              |           |
| Pyrethrins .....                              | 0.052                  | 0.06              |           |
| Diazinon .....                                | 0.50                   | 0.53              | Passed    |
| Piperonyl butoxide .....                      | 0.261                  | 0.25              |           |
| Pyrethrins .....                              | 0.052                  | 0.08              |           |
| <b>Poplin Chemical Co.</b>                    |                        |                   |           |
| Pop-O-Lite Household Insect Spray             |                        |                   |           |
| Diazinon .....                                | 0.50                   | 0.54              | Passed    |
| Piperonyl butoxide .....                      | 0.261                  | 0.236             |           |
| Pyrethrins .....                              | 0.052                  | 0.06              |           |

| Manufacturers and Brands                          | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                         |
|---|------------------------|-------------------|-----------------------------------|
| <b>Rexall Drug Co.</b>                            |                        |                   |                                   |
| Rexall Ant and Roach Killer                       |                        |                   |                                   |
| Diazinon .....                                    | 0.50                   | 0.50              | Passed                            |
| Piperonyl butoxide .....                          | 0.075                  | 0.075             |                                   |
| Pyrethrins .....                                  | 0.030                  | 0.030             |                                   |
| <b>DIBROM</b>                                     |                        |                   |                                   |
| <b>California Chemical Company—Ortho Div.</b>     |                        |                   |                                   |
| <b>(Now: Chevron Chemical Company—Ortho Div.)</b> |                        |                   |                                   |
| Ortho Dibrom Fly Spray                            |                        |                   |                                   |
| Dibrom .....                                      | 1.00                   | 1.10              | Passed                            |
| do .....  | 1.00                   | 1.23              | Passed                            |
| do .....  | 1.00                   | 1.11              | Passed                            |
| <b>Chevron Chemical Company—Ortho Div.</b>        |                        |                   |                                   |
| Ortho Dibrom Fly Spray                            |                        |                   |                                   |
| Dibrom .....                                      | 1.00                   | 1.14              | Passed                            |
| Ortho Yard and Patio Insect Spray                 |                        |                   |                                   |
| Dibrom .....                                      | 25.40                  | 39.84             | Excessive<br>Active<br>Ingredient |
| <b>DIELDRIN</b>                                   |                        |                   |                                   |
| <b>Real-Kill Products</b>                         |                        |                   |                                   |
| <b>Division of Cook Chemical Co.</b>              |                        |                   |                                   |
| Real-Kill Moth Proofer                            |                        |                   |                                   |
| Dieldrin .....                                    | 0.50                   | 0.68              | Passed                            |
| do .....  | 0.50                   | 0.48              | Passed                            |
| <b>DIELDRIN-COPPER OXALATE</b>                    |                        |                   |                                   |
| <b>Borderland Products, Inc.</b>                  |                        |                   |                                   |
| Red Shield  |                        |                   |                                   |
| Dieldrin .....                                    | 5.00                   | 4.82              | Passed                            |
| Copper oxalate .....                              | 4.00                   | 4.44              |                                   |
| <b>DIELDRIN-DDVP</b>                              |                        |                   |                                   |
| <b>Boyle-Midway Inc.</b>                          |                        |                   |                                   |
| Black Flag Bug Killer                             |                        |                   |                                   |
| Dieldrin .....                                    | 0.30                   |                   | Passed                            |
| DDVP .....  | 0.20                   |                   |                                   |
| Theoretical chlorine .....                        | 0.23                   | 0.30              |                                   |

| Manufacturers and Brands                                    | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>Black Flag Ant and Roach Killer</b>                      |                        |                   |           |
| Dieldrin .....  | 0.50                   |                   | Passed    |
| DDVP .....  | 0.50                   |                   |           |
| Theoretical chlorine .....                                  | 0.44                   | 0.46              |           |
| <b>Hot Shot Quality Products, Inc.</b>                      |                        |                   |           |
| <b>Hot Shot Roach and Ant Bug Killer (Liquid)</b>           |                        |                   |           |
| Dieldrin .....  | 0.50                   |                   | Passed    |
| DDVP .....  | 0.50                   |                   |           |
| Theoretical chlorine .....                                  | 0.44                   | 0.42              |           |
| <b>S. C. Johnson and Son, Inc.</b>                          |                        |                   |           |
| <b>Raid Ant and Roach Killer</b>                            |                        |                   |           |
| Dieldrin .....  | 0.50                   |                   | Passed    |
| DDVP .....  | 0.50                   |                   |           |
| Theoretical chlorine .....                                  | 0.44                   | 0.41              |           |
| <b>The Kroger Co.</b>                                       |                        |                   |           |
| <b>Kandu Ant and Roach Killer</b>                           |                        |                   |           |
| Dieldrin .....  | 0.30                   |                   | Passed    |
| DDVP .....  | 0.20                   |                   |           |
| Theoretical chlorine .....                                  | 0.23                   | 0.28              |           |
| Dieldrin .....  | 0.30                   |                   | Passed    |
| DDVP .....  | 0.20                   |                   |           |
| Theoretical chlorine .....                                  | 0.23                   | 0.23              |           |
| <b>Real-Kill Products<br/>Division of Cook Chemical Co.</b> |                        |                   |           |
| <b>Real-Kill Bug Killer</b>                                 |                        |                   |           |
| Dieldrin .....  | 0.50                   |                   | Passed    |
| DDVP .....  | 0.50                   |                   |           |
| Theoretical chlorine .....                                  | 0.44                   | 0.39              |           |
| Dieldrin .....  | 0.50                   |                   | Passed    |
| DDVP .....  | 0.50                   |                   |           |
| Theoretical chlorine .....                                  | 0.44                   | 0.43              |           |
| <b>Rigo Manufacturing Co.</b>                               |                        |                   |           |
| <b>Kill-Ko Bug Killer</b>                                   |                        |                   |           |
| Dieldrin .....  | 0.30                   |                   | Passed    |
| DDVP .....  | 0.50                   |                   |           |
| Theoretical chlorine .....                                  | 0.33                   | 0.52              |           |



| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|----------------------------|------------------------|-------------------|-----------|
| <b>Kill-Ko Insect Bomb</b> |                        |                   |           |
| Dieldrin .....             | 0.30                   |                   | Passed    |
| DDVP .....                 | 0.50                   |                   |           |
| Theoretical chlorine ..... | 0.33                   | 0.34              |           |
| Dieldrin .....             | 0.30                   |                   | Passed    |
| DDVP .....                 | 0.50                   |                   |           |
| Theoretical chlorine ..... | 0.33                   | 0.34              |           |
| Dieldrin .....             | 0.30                   |                   | Passed    |
| DDVP .....                 | 0.50                   |                   |           |
| Theoretical chlorine ..... | 0.33                   | 0.32              |           |
| Dieldrin .....             | 0.30                   |                   | Passed    |
| DDVP .....                 | 0.50                   |                   |           |
| Theoretical chlorine ..... | 0.33                   | 0.18              |           |

**United Co-Operatives, Inc.****Unico Pressurized Ant and Roach Killer**

|                            |      |      |        |
|----------------------------|------|------|--------|
| Dieldrin .....             | 0.50 |      | Passed |
| DDVP .....                 | 0.50 |      |        |
| Theoretical chlorine ..... | 0.44 | 0.41 |        |

**DIELDRIN-METALDEHYDE****Rigo Manufacturing Co.****Kill-Ko Bug Bait**

|                   |      |      |           |
|-------------------|------|------|-----------|
| Dieldrin .....    | 1.00 | 0.97 | Deficient |
| Metaldehyde ..... | 2.00 | 1.70 |           |

**Sears, Roebuck and Co.****Sears Snail and Slug Bait**

|                   |      |      |                                   |
|-------------------|------|------|-----------------------------------|
| Dieldrin .....    | 0.50 | 1.07 | Excessive<br>Active<br>Ingredient |
| Metaldehyde ..... | 3.00 | 3.72 |                                   |

**DIELDRIN-PIPERONYL BUTOXIDE-PYRETHRINS****S. C. Johnson and Son, Inc.****Raid Liquid Roach and Ant Killer**

|                          |       |      |        |
|--------------------------|-------|------|--------|
| Dieldrin .....           | 0.50  | 0.57 | Passed |
| Piperonyl Butoxide ..... | 0.09  | 0.10 |        |
| Pyrethrins .....         | 0.045 | 0.05 |        |

| Manufacturers and Brands  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>DIELDRIN-PYRETHRINS</b>  |                        |                   |           |
| <b>The Borden Chemical Co.<br/>Smith-Douglass Div.</b>                |                        |                   |           |
| Nutro Ant and Roach Spray   |                        |                   |           |
| Dieldrin .....  | 0.50                   | 0.55              | Passed    |
| Pyrethrins .....  | 0.05                   | 0.07              |           |
| <b>DIMETALAN</b>  |                        |                   |           |
| <b>Geigy Agricultural Chemicals</b>                                   |                        |                   |           |
| Geigy Snip Fly Band   |                        |                   |           |
| Dimetalan .....   | 4.00                   | 3.82              | Passed    |
| do .....  | 4.00                   | 3.83              | Passed    |
| <b>DIMETHYLAMINE SALT OF BUTYRAC</b>                                  |                        |                   |           |
| <b>Amchem Products, Inc.</b>  |                        |                   |           |
| Amchem Butyrac 175  |                        |                   |           |
| Dimethylamine salt of butyrac .....                                   | 23.00                  | 23.46             | Passed    |
| do .....  | 23.00                  | 24.24             | Passed    |
| <b>Chipman Chemical Company, Inc.</b>                                 |                        |                   |           |
| Butoxone SB   |                        |                   |           |
| Dimethylamine salt of butyrac .....                                   | 23.00                  | 24.83             | Passed    |
| do .....  | 23.00                  | 23.75             | Passed    |
| <b>DINITRO ORTHO CRESOL</b>   |                        |                   |           |
| <b>Niagara Chemical Division—FMC Corp.</b>                            |                        |                   |           |
| Niagara Dinitro Dry (Wetttable)                                       |                        |                   |           |
| Dinitro-ortho-cresol .....  | 40.00                  | 40.74             | Passed    |
| do .....  | 40.00                  | 24.47             | Deficient |
| <b>DIPTEREX</b>   |                        |                   |           |
| <b>Cossman and Levine, Inc.<br/>(Registered by Alco Chemical Co.)</b> |                        |                   |           |
| Cossman Fly Cake  |                        |                   |           |
| Dipterex .....  | 1.00                   | 1.03              | Passed    |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Hess and Clark</b><br><b>Division of Richardson-Merrell, Inc.</b> |                        |                   |                |
| Hess and Clark Fatal-Fly   |                        |                   |                |
| Dipterex .....   | 1.00                   | 0.85              | Deficient      |
| <b>Thompson-Hayward Chemical Co.</b>                                 |                        |                   |                |
| De-Pester Nox-Fly Bait   |                        |                   |                |
| Dipterex .....   | 1.00                   | 1.00              | Passed         |
| <b>ENDRIN</b>  |                        |                   |                |
| <b>Blue Chemical Company, Inc.</b>                                   |                        |                   |                |
| Thor Brand 1.6 Endrin Insecticide Concentrate                        |                        |                   |                |
| Endrin .....   | 19.50                  | 19.76             | Not Registered |
| <b>E-Z-Flo Chemical Co.</b>  |                        |                   |                |
| E-Z-Flo Endrin 1.6E  |                        |                   |                |
| Endrin .....   | 19.88                  | 20.55             | Passed         |
| <b>ENDRIN-METHYL PARATHION</b>                                       |                        |                   |                |
| <b>Olin Mathieson Chemical Corp.</b>                                 |                        |                   |                |
| Mathieson Endrin-Methyl Parathion 1.6 lb.—1.6 lb. Emulsifiable       |                        |                   |                |
| Endrin .....   | 18.20                  | 14.39             | Deficient      |
| Methyl parathion .....   | 18.20                  | 17.51             |                |
| <b>ENDRIN-TRITHION</b>   |                        |                   |                |
| <b>Swift and Co.</b><br><b>Agricultural Chemical Div.</b>            |                        |                   |                |
| Swift's Gold Bear Super Guard 152                                    |                        |                   |                |
| Endrin .....   | 1.50                   |                   | Not Registered |
| Trithion .....   | 2.00                   |                   |                |
| Theoretical chlorine .....   | 1.05                   | 1.11              |                |
| <b>ETHYLENE DIBROMIDE</b>  |                        |                   |                |
| <b>Great Lakes Chemical Co.</b>                                      |                        |                   |                |
| Soilbrom-85  |                        |                   |                |
| Ethylene dibromide .....   | 85.00                  | 82.27             | Misbranded     |



| Manufacturers and Brands                                  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>Starr Company, Inc.</b>                                |                        |                   |           |
| Edabrom 85  |                        |                   |           |
| Ethylene dibromide .....                                  | 83.00                  | 79.95             | Passed    |
| <b>FERBAM</b>   |                        |                   |           |
| <b>The Borden Chemical Co.<br/>Smith-Douglass Div.</b>    |                        |                   |           |
| Smith-Douglass Fermate Dust                               |                        |                   |           |
| Ferbam .....  | 11.40                  | 11.50             | Passed    |
| do .....  | 11.40                  | 11.44             | Passed    |
| <b>Carolina Chemical Corp.</b>                            |                        |                   |           |
| Fermate Dust  |                        |                   |           |
| Ferbam .....  | 11.40                  | 10.16             | Deficient |
| <b>Daly-Herring Co.</b>                                   |                        |                   |           |
| Dee Aitch 15% Fermate Dust                                |                        |                   |           |
| Ferbam .....  | 11.40                  | 10.96             | Passed    |
| do .....  | 11.40                  | 11.23             | Passed    |
| do .....  | 11.40                  | 11.15             | Passed    |
| <b>E-Z-Flo Chemical Co.</b>                               |                        |                   |           |
| E-Z-Flo Fermate 15 Dust                                   |                        |                   |           |
| Ferbam .....  | 11.40                  | 10.85             | Passed    |
| <b>FCX, INC.</b>  |                        |                   |           |
| FCX Ferbam No. 10 Dust                                    |                        |                   |           |
| Ferbam .....  | 11.40                  | 11.26             | Passed    |
| do .....  | 11.40                  | 10.23             | Deficient |
| <b>W. R. Grace and Co.<br/>Agricultural Products Div.</b> |                        |                   |           |
| Maxwell 15% Fermate Dust                                  |                        |                   |           |
| Ferbam .....  | 11.40                  | 11.12             | Passed    |
| do .....  | 11.40                  | 11.61             | Passed    |
| do .....  | 11.40                  | 10.99             | Passed    |
| <b>Howerton Gowen Chemicals, Inc.</b>                     |                        |                   |           |
| Gowen's 15% Fermate Dust                                  |                        |                   |           |
| Ferbam .....  | 11.40                  | 11.16             | Passed    |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Niagara Chemical Division—FMC Corp.</b>                           |                        |                   |                |
| Niagara Ferbam Tobacco Dust  |                        |                   |                |
| Ferbam .....   | 11.40                  | 10.68             | Deficient      |
| <b>Olin Mathieson Chemical Corp.</b>                                 |                        |                   |                |
| Mathieson Ferbam Dust  |                        |                   |                |
| Ferbam .....   | 11.40                  | 11.30             | Passed         |
| <b>Planters Chemical Corp.</b>                                       |                        |                   |                |
| Planters Fermate Dust  |                        |                   |                |
| Ferbam .....   | 11.40                  | 11.11             | Passed         |
| <b>Royster Chemical Co.</b>  |                        |                   |                |
| Royster Chem-Pest "150"  |                        |                   |                |
| Ferbam .....   | 11.40                  | 11.19             | Passed         |
| <b>FLUORINE COMPOUNDS</b>  |                        |                   |                |
| <b>SODIUM ALUMNIUM SILICOFLUORIDE</b>                                |                        |                   |                |
| <b>Household Products Div.<br/>Chemway Corp.</b>                     |                        |                   |                |
| Larvex Mothproofing Composition                                      |                        |                   |                |
| Sodium aluminum silicofluoride .....                                 | 0.52                   | 0.72              | Passed         |
| <b>SODIUM FLUORIDE</b>   |                        |                   |                |
| <b>Allied Drug Products Co.</b>                                      |                        |                   |                |
| Allied Brand Roach Powder  |                        |                   |                |
| Sodium fluoride .....  | 95.00                  | 96.52             | Not Registered |
| <b>Fairfax Biological Laboratory</b>                                 |                        |                   |                |
| Roach Doom-Kills Roaches   |                        |                   |                |
| Sodium fluoride .....  | 90.00                  | 97.94             | Passed         |
| <b>SODIUM FLUORIDE-CHLORDANE</b>                                     |                        |                   |                |
| <b>Heller Laboratories, Inc.<br/>A Division of B. Heller and Co.</b> |                        |                   |                |
| \$1000.00 Guaranteed Ant Bane  |                        |                   |                |
| Sodium fluoride .....  | 50.00                  | 54.46             | Passed         |
| Chlordane .....  | 2.00                   | 2.93              |                |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**SODIUM FLUORIDE-DDT****Walgreen Laboratories, Inc.**

## Roach Pizen

|                       |       |       |        |
|-----------------------|-------|-------|--------|
| Sodium fluoride ..... | 50.00 | 50.23 | Passed |
| DDT .....             | 10.00 | 9.71  |        |

**SODIUM FLUORIDE-DDT-SODIUM SILICOFLUORIDE****Nott Manufacturing Company, Inc.**

## Nott's Roach Powder

|                             |       |       |                |
|-----------------------------|-------|-------|----------------|
| Sodium fluoride .....       | 85.00 |       | Not Registered |
| DDT .....                   | 10.00 | 10.86 |                |
| Sodium silicofluoride ..... | 0.50  |       |                |
| Theoretical fluorine .....  | 38.75 | 37.10 |                |
| Sodium fluoride .....       | 85.00 |       | Not Registered |
| DDT .....                   | 10.00 | 10.29 |                |
| Sodium silicofluoride ..... | 0.50  |       |                |
| Theoretical fluorine .....  | 38.75 | 37.25 |                |
| Sodium fluoride .....       | 85.00 |       | Not Registered |
| DDT .....                   | 10.00 | 9.86  |                |
| Sodium silicofluoride ..... | 0.50  |       |                |
| Theoretical fluorine .....  | 38.75 | 36.83 |                |

**SODIUM FLUORIDE-PIPERONYL BUTOXIDE-PYRETHRINS****Oakwood Medical Center, Inc.**

## Rd Roach Powder

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| Sodium fluoride .....    | 58.00 | 55.65 | Passed |
| Piperonyl butoxide ..... | 1.50  | 1.21  |        |
| Pyrethrins .....         | 0.15  | 0.16  |        |
| Sodium fluoride .....    | 58.00 | 60.09 | Passed |
| Piperonyl butoxide ..... | 1.50  | 1.39  |        |
| Pyrethrins .....         | 0.15  | 0.16  |        |

**Rigo Manufacturing Co.**

## Kill-Ko Roach Powder

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| Sodium fluoride .....    | 58.00 | 59.45 | Passed |
| Piperonyl butoxide ..... | 1.50  | 1.04  |        |
| Pyrethrins .....         | 0.15  | 0.15  |        |

**SODIUM FLUORIDE-PYRETHRINS****Master Products Co.**

## Master Brand Roach Buster

|                       |       |       |        |
|-----------------------|-------|-------|--------|
| Sodium fluoride ..... | 38.80 | 41.02 | Passed |
| Pyrethrins .....      | 0.35  | 0.40  |        |



| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
| Roach Buster             |                        |                   |           |
| Sodium fluoride .....    | 76.00                  | 68.35             | Deficient |
| Pyrethrins .....         | 0.10                   | 0.09              |           |
| Sodium fluoride .....    | 76.00                  | 53.81             | Deficient |
| Pyrethrins .....         | 0.10                   | 0.19              |           |

**SODIUM FLUORIDE-PYRETHRINS-SODIUM SILICOFLUORIDE**

**Pearson and Co.**

**Pearson's Roach Poison**

|                             |       |       |        |
|-----------------------------|-------|-------|--------|
| Sodium fluoride .....       | 59.00 |       | Passed |
| Pyrethrins .....            | 0.18  | 0.19  |        |
| Sodium silicofluoride ..... | 1.00  |       |        |
| Theoretical fluorine .....  | 27.30 | 26.37 |        |

**SODIUM SILICOFLUORIDE-LETHANE 60-ROTENONE-SULFUR**

**Carbola Chemical Company, Inc.**

**Carbola CCC Flea and Louse Killer**

|                             |       |         |           |
|-----------------------------|-------|---------|-----------|
| Sodium silicofluoride ..... | 10.00 | 7.60    | Deficient |
| Lethane 60 .....            | 0.75  | 1.40    |           |
| Rotenone .....              | 0.40  | Present |           |
| Sulfur .....                | 15.00 | 15.07   |           |

**SODIUM SILIOFLUORIDE-NICOTINE-SULFUR**

**Thompson-Hayward Chemical Co.**

**De-Pester Super Dry Insecticide**

|                             |       |         |           |
|-----------------------------|-------|---------|-----------|
| Sodium silicofluoride ..... | 1.00  | 0.69    | Deficient |
| Nicotine .....              | 0.05  | Present |           |
| Sulfur .....                | 20.00 | 18.50   |           |

**FUMARIN**

**Brown Manufacturing Co.**

**Rough On Rats**

|               |       |       |        |
|---------------|-------|-------|--------|
| Fumarin ..... | 0.025 | 0.025 | Passed |
|---------------|-------|-------|--------|

**Deason Termite and Pest Control**

**Rat and Mouse Bait With Fumarin**

|               |       |       |                |
|---------------|-------|-------|----------------|
| Fumarin ..... | 0.025 | 0.024 | Not Registered |
|---------------|-------|-------|----------------|

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>The Dill Company, Inc.</b>  |                        |                   |                |
| Dill's Rat Tabs With DC72  |                        |                   |                |
| Fumarin .....  | 0.025                  | 0.026             | Passed         |
| do .....   | 0.025                  | 0.028             | Passed         |
| <b>Dixi-Chem of Greenville, Inc.</b>                                   |                        |                   |                |
| Fumarin Banerin-58   |                        |                   |                |
| Fumarin .....  | 0.025                  | 0.030             | Passed         |
| <b>Pestaway Co.</b>  |                        |                   |                |
| d-Rat and Mice Killer  |                        |                   |                |
| Fumarin .....  | 0.025                  | 0.031             | Passed         |
| do .....   | 0.025                  | 0.024             | Passed         |
| do .....   | 0.025                  | 0.030             | Passed         |
| <b>Rigo Manufacturing Co.</b>  |                        |                   |                |
| Kill-Ko Rat Bait   |                        |                   |                |
| Fumarin .....  | 0.025                  | 0.029             | Passed         |
| do .....   | 0.025                  | 0.024             | Passed         |
| do .....   | 0.025                  | 0.031             | Passed         |
| do .....   | 0.025                  | 0.027             | Passed         |
| Kill-Ko Mouse and Rat Bait   |                        |                   |                |
| Fumarin .....  | 0.038                  | 0.037             | Passed         |
| do .....   | 0.038                  | 0.039             | Passed         |
| do .....   | 0.038                  | 0.041             | Passed         |
| <b>Southern Agricultural Insecticides, Inc.</b>                        |                        |                   |                |
| Kill Rats and Mice   |                        |                   |                |
| Fumarin .....  | 0.025                  | 0.028             | Passed         |
| <b>S. C. Wells and Company, Inc.</b><br>(Now: Brown Manufacturing Co.) |                        |                   |                |
| Rough on Rats  |                        |                   |                |
| Fumarin .....  | 0.025                  | 0.030             | Passed         |
| <b>KELTHANE</b>  |                        |                   |                |
| <b>Nott Manufacturing Company, Inc.</b>                                |                        |                   |                |
| Nott Kelthane EC   |                        |                   |                |
| Kelthane .....   | 18.50                  | 21.47             | Not Registered |

| Manufacturers and Brands                               | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Science Products Company, Inc.</b>                  |                        |                   |                |
| Science Kelthane EC                                    |                        |                   |                |
| Kelthane .....   | 18.50                  | 21.90             | Not Registered |
| do .....   | 18.50                  | 23.50             | Not Registered |
| <b>KEPONE</b>  |                        |                   |                |
| <b>Black Magic Co.</b>                                 |                        |                   |                |
| <b>Black Magic Roach Killer</b>                        |                        |                   |                |
| Kepone .....   | 0.125                  | 0.120             | Passed         |
| <b>O. E. Linck Div.<br/>Walco-Linck Corp.</b>          |                        |                   |                |
| <b>Tat Ant Trap</b>                                    |                        |                   |                |
| Kepone .....   | 0.125                  | 0.10              | Passed         |
| do .....   | 0.125                  | 0.122             | Passed         |
| <b>McCall Manufacturing Company, Inc.</b>              |                        |                   |                |
| <b>Lucky-Mack Roach and Ant Killer</b>                 |                        |                   |                |
| Kepone .....   | 0.125                  | 0.21              | Passed         |
| do .....   | 0.125                  | 0.18              | Passed         |
| <b>Nott Manufacturing Company, Inc.</b>                |                        |                   |                |
| <b>Nott Ant Traps</b>                                  |                        |                   |                |
| Kepone .....   | 0.125                  | 0.12              | Passed         |
| <b>MALATHION</b>                                       |                        |                   |                |
| <b>Allied Mills, Inc.</b>                              |                        |                   |                |
| <b>Wayne Malathion Dust</b>                            |                        |                   |                |
| Malathion .....  | 4.00                   | 4.65              | Passed         |
| do .....   | 4.00                   | 4.43              | Passed         |
| <b>The Borden Chemical Co.<br/>Smith-Douglass Div.</b> |                        |                   |                |
| <b>Smith-Douglass 4% Malathion Dust</b>                |                        |                   |                |
| Malathion .....  | 4.00                   | 3.84              | Passed         |



| Manufacturers and Brands                   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                   |
|--|------------------------|-------------------|-----------------------------|
| <b>Carolina Chemical Corp.</b>             |                        |                   |                             |
| Champion Malathion 4% Dust                 |                        |                   |                             |
| Malathion .....                            | 4.00                   | 3.14              | Deficient<br>Not Registered |
| do .....                                   | 4.00                   | 2.82              | Deficient<br>Not Registered |
| <b>Daly-Herring Co.</b>                    |                        |                   |                             |
| D-H 4% Malathion Dust                      |                        |                   |                             |
| Malathion .....                            | 4.00                   | 4.04              | Passed                      |
| D-H 5% Malathion Dust                      |                        |                   |                             |
| Malathion .....                            | 5.00                   | 5.14              | Passed                      |
| do .....                                   | 5.00                   | 4.90              | Not Registered              |
| D-H 50% Malathion Emulsifiable Concentrate |                        |                   |                             |
| Malathion .....                            | 50.00                  | 47.56             | Passed                      |
| <b>Dixi-Chem of Greenville, Inc.</b>       |                        |                   |                             |
| All American Malathion 50% Emulsifiable    |                        |                   |                             |
| Malathion .....                            | 50.00                  | 51.82             | Not Registered              |
| <b>E-Z-Flo Chemical Co.</b>                |                        |                   |                             |
| E-Z-Flo 5% Malathion Dust                  |                        |                   |                             |
| Malathion .....                            | 5.00                   | 4.37              | Deficient                   |
| E-Z-Flo Malathion 5E Emulsifiable          |                        |                   |                             |
| Malathion .....                            | 56.50                  | 57.29             | Passed                      |
| <b>FCX, Inc.</b>                           |                        |                   |                             |
| FCX 4% Malathion Dust                      |                        |                   |                             |
| Malathion .....                            | 4.00                   | 4.03              | Passed                      |
| do .....                                   | 4.00                   | 3.55              | Deficient                   |
| do .....                                   | 4.00                   | 3.63              | Deficient                   |
| FCX 5% Malathion Dust                      |                        |                   |                             |
| Malathion .....                            | 5.00                   | 4.71              | Deficient                   |
| FCX Malathion-5 Emulsifiable Concentrate   |                        |                   |                             |
| Malathion .....                            | 54.80                  | 57.11             | Passed                      |
| do .....                                   | 54.80                  | 58.71             | Passed                      |

| Manufacturers and Brands                        | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>W. R. Grace and Co.</b>                      |                        |                   |                |
| <b>Agricultural Products Div.</b>               |                        |                   |                |
| Maxwell 4% Malathion Dust                       |                        |                   |                |
| Malathion .....                                 | 4.00                   | 4.06              | Passed         |
| do .....  | 4.00                   | 2.93              | Deficient      |
| Maxwell Malathion 55% Emulsion                  |                        |                   |                |
| Malathion .....                                 | 55.00                  | 54.98             | Passed         |
| <b>GurMiCo Chemicals, Inc.</b>                  |                        |                   |                |
| GurMiCo Malathion 4% Dust                       |                        |                   |                |
| Malathion .....                                 | 4.00                   | 0.72              | Deficient      |
| <b>Olin Mathieson Chemical Corp.</b>            |                        |                   |                |
| Mathieson Malathion 4% Dust                     |                        |                   |                |
| Malathion .....                                 | 4.00                   | 3.76              | Deficient      |
| do .....  | 4.00                   | 3.54              | Deficient      |
| Mathieson Malathion 5 lb. Emulsifiable Liquid   |                        |                   |                |
| Malathion .....                                 | 57.00                  | 57.09             | Passed         |
| <b>W. R. Peele Company, Inc.</b>                |                        |                   |                |
| Pelco Malathion Emulsion E-5                    |                        |                   |                |
| Malathion .....                                 | 55.00                  | 56.75             | Passed         |
| do .....  | 55.00                  | 55.08             | Passed         |
| <b>Planters Chemical Corp.</b>                  |                        |                   |                |
| Planters 4% Malathion Dust                      |                        |                   |                |
| Malathion .....                                 | 4.00                   | 3.77              | Deficient      |
| do .....  | 4.00                   | 3.99              | Passed         |
| Planters 57% Malathion Emulsifiable Concentrate |                        |                   |                |
| Malathion .....                                 | 57.00                  | 55.43             | Not Registered |
| <b>Ralston Purina Co.</b>                       |                        |                   |                |
| Purina Malathion Spray                          |                        |                   |                |
| Malathion .....                                 | 57.00                  | 55.07             | Passed         |
| <b>Rigo Manufacturing Co.</b>                   |                        |                   |                |
| Kill-Ko Premium Malathion 5% Dust               |                        |                   |                |
| Malathion .....                                 | 5.00                   | 5.00              | Passed         |
| do .....  | 5.00                   | 4.07              | Deficient      |

| Manufacturers and Brands                                 | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                         |
|--|------------------------|-------------------|-----------------------------------|
| <b>Kill-Ko Malathion 50% Emulsifiable</b>                |                        |                   |                                   |
| Malathion .....  | 50.00                  | 49.89             | Passed                            |
| do .....   | 50.00                  | 49.35             | Passed                            |
| do .....   | 50.00                  | 50.72             | Passed                            |
| <b>Sears, Roebuck and Co.</b>                            |                        |                   |                                   |
| <b>Sears 50% Malathion Spray</b>                         |                        |                   |                                   |
| Malathion .....  | 50.00                  | 55.32             | Excessive<br>Active<br>Ingredient |
| <b>Southern Agricultural Chemicals, Inc.</b>             |                        |                   |                                   |
| <b>Royal Brand Stored Grain Dust M-1</b>                 |                        |                   |                                   |
| Malathion .....  | 1.00                   | 1.50              | Passed                            |
| <b>Royal Brand Flea Dusting Powder</b>                   |                        |                   |                                   |
| Malathion .....  | 4.00                   | 3.68              | Deficient<br>Not Registered       |
| <b>Southern Agricultural Insecticides, Inc.</b>          |                        |                   |                                   |
| <b>SA-50 Brand 4% Malathion Dust</b>                     |                        |                   |                                   |
| Malathion .....  | 4.00                   | 4.14              | Passed                            |
| do .....   | 4.00                   | 3.88              | Passed                            |
| do .....   | 4.00                   | 3.76              | Deficient                         |
| <b>SA-50 Brand 53% Emulsifiable Malathion</b>            |                        |                   |                                   |
| Malathion .....  | 53.00                  | 55.56             | Passed                            |
| <b>Starbar, Inc.</b>                                     |                        |                   |                                   |
| <b>Division of Thuron Industries, Inc.</b>               |                        |                   |                                   |
| <b>(Now: Thuron Industries, Inc.)</b>                    |                        |                   |                                   |
| <b>Starbar Super-Mal 50% Malathion Insecticide Spray</b> |                        |                   |                                   |
| Malathion .....  | 50.00                  | 51.00             | Passed                            |
| <b>United Co-operatives, Inc.</b>                        |                        |                   |                                   |
| <b>Unico Malathion Grain Protectant Dust</b>             |                        |                   |                                   |
| Malathion .....  | 1.00                   | 0.89              | Passed                            |
| do .....   | 1.00                   | 1.09              | Passed                            |
| <b>Whitmoyer Laboratories, Inc.</b>                      |                        |                   |                                   |
| <b>Whitmoyer Malathion</b>                               |                        |                   |                                   |
| Malathion .....  | 57.00                  | 56.32             | Passed                            |



| Manufacturers and Brands               | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| <b>Woolfolk Chemical Works, Ltd.</b>   |                        |                   |           |
| Security Brand 5% Malathion Dust       |                        |                   |           |
| Malathion .....                        | 5.00                   | 4.47              | Deficient |
| do .....                               | 5.00                   | 4.27              | Deficient |
| <b>MALATHION-DDVP</b>                  |                        |                   |           |
| <b>Hot Shot Quality Products, Inc.</b> |                        |                   |           |
| Hot Shot Fly Bait                      |                        |                   |           |
| Malathion .....                        | 1.00                   |                   | Passed    |
| DDVP .....                             | 0.50                   |                   |           |
| Theoretical phosphorus .....           | 0.16                   | 0.16              |           |
| <b>MALATHION-DDVP-DIELDRIN</b>         |                        |                   |           |
| <b>Woolfolk Chemical Works, Ltd.</b>   |                        |                   |           |
| Security Brand Roach Kill              |                        |                   |           |
| Malathion .....                        | 2.50                   |                   | Passed    |
| DDVP .....                             | 0.50                   |                   |           |
| Dieldrin .....                         | 0.25                   |                   |           |
| Theoretical chlorine .....             | 0.30                   | 0.23              |           |
| Theoretical phosphorus .....           | 0.30                   | 0.31              |           |
| Malathion .....                        | 2.50                   |                   | Passed    |
| DDVP .....                             | 0.50                   |                   |           |
| Dieldrin .....                         | 0.25                   |                   |           |
| Theoretical chlorine .....             | 0.30                   | 0.27              |           |
| Theoretical phosphorus .....           | 0.30                   | 0.33              |           |
| <b>MALATHION-DIAZINON</b>              |                        |                   |           |
| <b>Gaston Johnston Corp.</b>           |                        |                   |           |
| Johnston's No-Roach                    |                        |                   |           |
| Malathion .....                        | 0.70                   |                   | Passed    |
| Diazinon .....                         | 0.30                   |                   |           |
| Theoretical phosphorus .....           | 0.09                   | 0.12              |           |
| Malathion .....                        | 0.70                   |                   | Passed    |
| Diazinon .....                         | 0.30                   |                   |           |
| Theoretical phosphorus .....           | 0.09                   | 0.10              |           |
| <b>MALATHION-DICHLOROPHENE-SEVIN</b>   |                        |                   |           |
| <b>Polk Miller Products Corp.</b>      |                        |                   |           |
| Sergeant's Flea and Tick Spray         |                        |                   |           |
| Malathion .....                        | 0.25                   | 0.19              | Passed    |
| Dichlorophene .....                    | 0.40                   | 0.40              |           |
| Sevin .....                            | 0.50                   | 0.69              |           |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
| Malathion .....          | 0.25                   | 0.23              | Passed    |
| Dichlorophene .....      | 0.40                   | 0.39              |           |
| Sevin .....              | 0.50                   | 0.50              |           |

**MALATHION-DIELDRIN****Science Products Company, Inc.****Science Hornet and Wasp Bomb**

|                 |      |      |                |
|-----------------|------|------|----------------|
| Malathion ..... | 3.00 | 3.01 | Not Registered |
| Dieldrin .....  | 0.50 | 0.55 |                |

**MALATHION-METHOXYCHLOR****Farmers Cooperative Exchange, Inc.  
(Now: FCX, Inc.)****FCX Bean Dust**

|                    |      |      |           |
|--------------------|------|------|-----------|
| Malathion .....    | 3.00 | 2.67 | Deficient |
| Methoxychlor ..... | 3.00 | 2.60 |           |

**FCX, Inc.****FCX Bean Dust**

|                    |      |      |        |
|--------------------|------|------|--------|
| Malathion .....    | 3.00 | 3.09 | Passed |
| Methoxychlor ..... | 3.00 | 3.15 |        |

**Thompson-Hayward Chemical Co.****De-Pester Dairy Cattle Dust**

|                    |      |      |           |
|--------------------|------|------|-----------|
| Malathion .....    | 4.00 | 3.28 | Deficient |
| Methoxychlor ..... | 5.00 | 5.15 |           |

**MALATHION-METHOXYCHLOR-PIPERONYL BUTOXIDE-PYRETHRINS-ROTENONE****Happy Jack, Inc.****Happy Jack Flea-Tick Spray**

|                          |       |       |                |
|--------------------------|-------|-------|----------------|
| Malathion .....          | 0.25  | 0.23  | Not Registered |
| Methoxychlor .....       | 0.50  | 0.44  |                |
| Piperonyl butoxide ..... | 0.103 | 0.081 | Present        |
| Pyrethrins .....         | 0.051 | 0.07  |                |
| Rotenone .....           | 0.10  |       |                |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**MALATHION-PIPERONYL BUTOXIDE-PYRETHRINS-ROTENONE****H. Clay Glover Company, Inc.****Glover's Imperial Flea Killer**

|                          |       |      |        |
|--------------------------|-------|------|--------|
| Malathion .....          | 2.00  | 2.01 | Passed |
| Piperonyl butoxide ..... | 0.75  | 0.84 |        |
| Pyrethrins .....         | 0.075 | 0.07 |        |
| Rotenone .....           | 1.00  | 1.01 |        |

**Nero Products****Division of Norcin Industries, Inc.****Nero Flea-Tick Killer**

|                          |       |         |                |
|--------------------------|-------|---------|----------------|
| Malathion .....          | 0.12  | 0.14    | Not Registered |
| Piperonyl butoxide ..... | 0.15  | 0.23    |                |
| Pyrethrins .....         | 0.015 | 0.02    |                |
| Rotenone .....           | 0.075 | Present |                |

**MALATHION-PIPERONYL BUTOXIDE-PYRETHRINS-2,2'THIOBIS  
(4-CHLORO-6-METHYLPHENOL)****Rigo Manufacturing Co.****Kill-Ko Flea and Tick Spray**

|   |      |      |        |
|---|------|------|--------|
| Malathion .....                             | 0.50 | 0.39 | Passed |
| Piperonyl butoxide .....                    | 0.48 | 0.42 |        |
| Pyrethrins .....                            | 0.06 | 0.09 |        |
| 2,2'Thiobis (4-chloro-6-methylphenol) ..... | 0.10 | 0.09 |        |
| Malathion .....                             | 0.50 | 0.40 | Passed |
| Piperonyl butoxide .....                    | 0.48 | 0.45 |        |
| Pyrethrins .....                            | 0.06 | 0.08 |        |
| 2,2'Thiobis (4-chloro-6-methylphenol) ..... | 0.10 | 0.09 |        |

**MALATHION-SEVIN****Cape Fear Chemicals, Inc.****Tiger Brand Two Way Vegetable Dust**

|                 |      |      |           |
|-----------------|------|------|-----------|
| Malathion ..... | 2.00 | 1.66 | Deficient |
| Sevin .....     | 2.00 | 2.38 |           |

**Daly-Herring Co.****D-H Garden Dust-Sevin-Malathion**

|                 |      |      |        |
|-----------------|------|------|--------|
| Malathion ..... | 3.00 | 2.91 | Passed |
| Sevin .....     | 3.00 | 3.22 |        |



| Manufacturers and Brands                               | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                   |
|--|------------------------|-------------------|-----------------------------|
| MANEB  |                        |                   |                             |
| Black Leaf Products Co.                                |                        |                   |                             |
| Maneb Fungicide  |                        |                   |                             |
| Maneb _____  | 80.00                  | 78.52             | Not Registered              |
| E. I. du Pont de Nemours and Co.                       |                        |                   |                             |
| DuPont Manzate D Maneb Fungicide                       |                        |                   |                             |
| Maneb _____  | 80.00                  | 80.56             | Passed                      |
| FCX, Inc.  |                        |                   |                             |
| FCX 1.4% Maneb Dust                                    |                        |                   |                             |
| Maneb _____  | 1.40                   | 0.77              | Deficient                   |
| Nott Manufacturing Company, Inc.                       |                        |                   |                             |
| Tri-Ogen Blackspot Spray                               |                        |                   |                             |
| Maneb _____  | 80.00                  | 70.81             | Deficient<br>Not Registered |
| Southern Agricultural Insecticides, Inc.               |                        |                   |                             |
| SA-50 Brand Manzate Dust                               |                        |                   |                             |
| Maneb _____  | 5.60                   | 5.33              | Passed                      |
| do _____   | 5.60                   | 4.74              | Deficient                   |
| SA-50 Brand Maneb Spray Concentrate                    |                        |                   |                             |
| Maneb _____  | 80.00                  | 72.71             | Deficient                   |
| MANEB-PARATHION  |                        |                   |                             |
| Farmers Cooperative Exchange, Inc.<br>(Now: FCX, Inc.) |                        |                   |                             |
| FCX 1.4% Maneb + 1% Parathion                          |                        |                   |                             |
| Maneb _____  | 1.40                   | 1.31              | Deficient                   |
| Parathion _____  | 1.00                   | 0.97              |                             |
| METHOXYCHLOR   |                        |                   |                             |
| Allied Drug Products Co.                               |                        |                   |                             |
| Allied Brand Methoxychlor Dairy Cattle Dust            |                        |                   |                             |
| Methoxychlor _____                                     | 10.00                  | 11.43             | Passed                      |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**E. I. du Pont de Nemours and Co.**
**DuPont Marlate 2-MR 24% Technical Methoxychlor**

|                    |       |       |        |
|--------------------|-------|-------|--------|
| Methoxychlor ..... | 24.00 | 24.06 | Passed |
|--------------------|-------|-------|--------|

**DuPont Dairy Cattle Insecticide Powder**

|                    |       |       |        |
|--------------------|-------|-------|--------|
| Methoxychlor ..... | 50.00 | 50.00 | Passed |
|--------------------|-------|-------|--------|

**The Farnam Co.**
**Farnam Methanox Plus Residual Fly Spray Concentrate**

|                    |       |       |                |
|--------------------|-------|-------|----------------|
| Methoxychlor ..... | 21.00 | 21.32 | Not Registered |
|--------------------|-------|-------|----------------|

**Geigy Agricultural Chemicals**
**Geigy Methoxychlor "50"**

|                    |       |       |        |
|--------------------|-------|-------|--------|
| Methoxychlor ..... | 50.00 | 50.00 | Passed |
|--------------------|-------|-------|--------|

**Rigo Manufacturing Co.**
**Kill-Ko Dairy Kattle Dust**

|                    |       |       |        |
|--------------------|-------|-------|--------|
| Methoxychlor ..... | 10.00 | 10.73 | Passed |
|--------------------|-------|-------|--------|

**United Co-Operatives, Inc.**
**Unico Methoxychlor Emulsifiable Concentrate**

|                    |       |       |        |
|--------------------|-------|-------|--------|
| Methoxychlor ..... | 23.80 | 23.00 | Passed |
|--------------------|-------|-------|--------|

**METHOXYCHLOR—ALLETHRIN—N-OCTYL BICYCLOHEPTENE  
DICARBOXIMIDE—THANITE**
**Aesorol Corporation of America**
**Bridgeport Bug Bomb**

|  |       |         |        |
|--|-------|---------|--------|
| Methoxychlor .....                         | 1.26  | 1.28    | Passed |
| Allethrin .....                            | 0.113 | Present |        |
| N-octyl bicycloheptene dicarboximide ..... | 0.25  |         |        |
| Thanite .....                              | 1.00  |         |        |
| Theoretical nitrogen .....                 | 0.06  | 0.05    |        |

**METHOXYCHLOR-DIAZINON**
**Geigy Agricultural Chemicals**
**Geigy Alfa-Tox Insecticide**

|                    |       |       |        |
|--------------------|-------|-------|--------|
| Methoxychlor ..... | 20.00 | 20.09 | Passed |
| Diazinon .....     | 10.00 | 10.60 |        |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**METHOXYCHLOR-LETHANE 384-PIPERONYL BUTOXIDE-PYRETHRINS****Walgreen Laboratories, Inc.****Dolph Fly and Mosquito Spray**

|                          |      |         |        |
|--------------------------|------|---------|--------|
| Methoxychlor .....       | 2.00 | 2.15    | Passed |
| Lethane 384 .....        | 0.53 | Present |        |
| Piperonyl butoxide ..... | 0.80 | 0.89    |        |
| Pyrethrins .....         | 0.20 | 0.20    |        |
| Methoxychlor .....       | 2.00 | 2.20    | Passed |
| Lethane 384 .....        | 0.53 | Present |        |
| Piperonyl butoxide ..... | 0.80 | 0.81    |        |
| Pyrethrins .....         | 0.20 | 0.28    |        |

**METHOXYCHLOR-PIPERONYL BUTOXIDE-PYRETHRINS****William Cooper and Nephews, Inc.****Cooper Fly Spray**

|                          |      |      |        |
|--------------------------|------|------|--------|
| Methoxychlor .....       | 2.00 | 2.03 | Passed |
| Piperonyl butoxide ..... | 1.07 | 1.01 |        |
| Pyrethrins .....         | 0.13 | 0.12 |        |

**Geigy Agricultural Chemicals****Fly Tox**

|                          |      |      |        |
|--------------------------|------|------|--------|
| Methoxychlor .....       | 2.00 | 1.91 | Passed |
| Piperonyl butoxide ..... | 1.25 | 1.60 |        |
| Pyrethrins .....         | 0.20 | 0.24 |        |

**Gulf Oil Corp.****Gulf Spray Aerosol**

|                          |      |      |        |
|--------------------------|------|------|--------|
| Methoxychlor .....       | 2.00 | 1.95 | Passed |
| Piperonyl butoxide ..... | 1.00 | 0.94 |        |
| Pyrethrins .....         | 0.25 | 0.32 |        |
| Methoxychlor .....       | 2.00 | 2.17 | Passed |
| Piperonyl butoxide ..... | 1.00 | 1.10 |        |
| Pyrethrins .....         | 0.25 | 0.32 |        |
| Methoxychlor .....       | 2.00 | 2.12 | Passed |
| Piperonyl butoxide ..... | 1.00 | 0.99 |        |
| Pyrethrins .....         | 0.25 | 0.24 |        |

**Polk Miller Products Corp.****Sergeant's Cat Flea Powder**

|                          |      |      |        |
|--------------------------|------|------|--------|
| Methoxychlor .....       | 2.00 | 3.00 | Passed |
| Piperonyl butoxide ..... | 0.60 | 0.55 |        |
| Pyrethrins .....         | 0.06 | 0.06 |        |



| Manufacturers and Brands                                   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>MH-30</b>   |                        |                   |                |
| <b>Science Products Company, Inc.</b>                      |                        |                   |                |
| Science Stop-Grass   |                        |                   |                |
| Diethanolamine salt of 6-hydroxy-3-(2H)-pyridazinone ..... | 58.00                  | 58.85             | Not Registered |
| <b>Uniroyal, Inc.</b>                                      |                        |                   |                |
| <b>Uniroyal Chemical Div.</b>                              |                        |                   |                |
| <b>MH-30</b>   |                        |                   |                |
| Diethanolamine salt of 6-hydroxy-3-(2H)-pyridazinone ..... | 58.00                  | 58.03             | Passed         |
| <b>NAPHTHALENE</b>   |                        |                   |                |
| <b>Click Chemical Corp.</b>                                |                        |                   |                |
| <b>(Now: Para Industries, Inc.)</b>                        |                        |                   |                |
| Click Moth Balls   |                        |                   |                |
| Naphthalene .....  | 100.00                 | 99.50             | Not Registered |
| Click Moth Flakes  |                        |                   |                |
| Naphthalene .....  | 100.00                 | 99.50             | Not Registered |
| <b>Frank J. Curran Co.</b>                                 |                        |                   |                |
| Scram Moth Balls   |                        |                   |                |
| Naphthalene .....  | 100.00                 | 99.88             | Not Registered |
| do .....   | 100.00                 | 99.75             | Not Registered |
| <b>Standard Naphthalene Products Co.</b>                   |                        |                   |                |
| Rid-O-Moth-Moth Flakes                                     |                        |                   |                |
| Naphthalene .....  | 100.00                 | 99.88             | Not Registered |
| <b>The Sterling Company, Inc.</b>                          |                        |                   |                |
| Miracle Brand Perfumed Moth Balls                          |                        |                   |                |
| Naphthalene .....  | 100.00                 | 99.75             | Passed         |
| <b>Superior Manufacturing Co.</b>                          |                        |                   |                |
| <b>Division of Clean Home Products, Inc.</b>               |                        |                   |                |
| Merit Moth Flakes  |                        |                   |                |
| Naphthalene .....  | 100.00                 | 99.75             | Not Registered |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                      |
|--|------------------------|-------------------|--------------------------------|
| <b>NEMAGON</b>   |                        |                   |                                |
| <b>Shell Chemical Co.<br/>Agricultural Chemicals Div.</b>        |                        |                   |                                |
| Nemagon Soil Fumigant Emulsible Concentrate                      |                        |                   |                                |
| Nemagon .....  | 70.70                  | 68.01             | Passed                         |
| <b>Stephenson Chemical Company, Inc.</b>                         |                        |                   |                                |
| Stephenson 10% Nemagon Granules                                  |                        |                   |                                |
| Nemagon .....  | 10.00                  | 10.92             | Passed                         |
| <b>Woolfolk Chemical Works, Ltd.</b>                             |                        |                   |                                |
| Security Brand 10% Granulated Nemagon                            |                        |                   |                                |
| Nemagon .....  | 10.00                  | 8.43              | Deficient                      |
| do .....   | 10.00                  | 9.00              | Deficient                      |
| <b>NICOTINE</b>  |                        |                   |                                |
| <b>Black Leaf Products Co.</b>                                   |                        |                   |                                |
| Black Leaf 40  |                        |                   |                                |
| Nicotine (expressed as alkaloid) .....                           | 40.00                  | 38.87             | Passed                         |
| do .....   | 40.00                  | 39.17             | Passed                         |
| <b>Diamond Black Leaf Co.<br/>(Now: Black Leaf Products Co.)</b> |                        |                   |                                |
| Black Leaf 40 Garden Spray                                       |                        |                   |                                |
| Nicotine (expressed as alkaloid) .....                           | 40.00                  | 41.63             | Passed                         |
| <b>Plant Products Corp.</b>                                      |                        |                   |                                |
| Nicotine Pressure Fumigator                                      |                        |                   |                                |
| Nicotine (expressed as alkaloid) .....                           | 14.00                  | 13.37             | Passed                         |
| <b>NOREA</b>   |                        |                   |                                |
| <b>E-Z-Flo Chemical Co.</b>                                      |                        |                   |                                |
| E-Z-Flo Clean Sweep  |                        |                   |                                |
| Norea .....  | 13.80                  | 17.62             | Excessive<br>Active Ingredient |
| do .....   | 13.80                  | 17.84             | Excessive<br>Active Ingredient |

| Manufacturers and Brands                                       | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                   |
|--|------------------------|-------------------|-----------------------------|
| <b>PARADICHLOROBENZENE</b>                                     |                        |                   |                             |
| <b>AMR Chemical Company, Inc.</b>                              |                        |                   |                             |
| AMR Para Nuggets   |                        |                   |                             |
| Paradichlorobenzene .....                                      | 100.00                 | 100.00            | Passed                      |
| <b>Bordman Co.<br/>(Now: The Mabex Co.)</b>                    |                        |                   |                             |
| Moth-Kill Triple Action Cake                                   |                        |                   |                             |
| Paradichlorobenzene .....                                      | 100.00                 | 99.06             | Passed                      |
| <b>Frank J. Curran Co.</b>                                     |                        |                   |                             |
| Cedar-Closet Para Moth Crystals                                |                        |                   |                             |
| Paradichlorobenzene .....                                      | 100.00                 | 99.62             | Not Registered              |
| <b>Dale Chemical Co.<br/>Division Irwin-Willert Co.</b>        |                        |                   |                             |
| "Keeps" Pure Para Moth Balls                                   |                        |                   |                             |
| Paradichlorobenzene .....                                      | 100.00                 | 98.15             | Not Registered              |
| Value-Pak Moth Cake  |                        |                   |                             |
| Paradichlorobenzene .....                                      | 100.00                 | 98.51             | Passed                      |
| <b>Hydroponic Chemical Company, Inc.</b>                       |                        |                   |                             |
| Dogonex Dog Repellent Out Door Spray                           |                        |                   |                             |
| Paradichlorobenzene .....                                      | 1.00                   | 0.03              | Deficient<br>Not Registered |
| <b>Irwin-Willert Co.</b>                                       |                        |                   |                             |
| Daisy-Fresh Sachet   |                        |                   |                             |
| Paradichlorobenzene .....                                      | 100.00                 | 99.25             | Not Registered              |
| <b>The Mabex Co.</b>   |                        |                   |                             |
| Mabex Scented Moth Crystals                                    |                        |                   |                             |
| Paradichlorobenzene .....                                      | 99.00                  | 98.11             | Not Registered              |
| <b>Quinton Co.<br/>(Registered by Merck and Company, Inc.)</b> |                        |                   |                             |
| Di-Chloricide Moth Cake  |                        |                   |                             |
| Paradichlorobenzene .....                                      | 100.00                 | 99.81             | Passed                      |



| Manufacturers and Brands                               | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Di-Chloricide Moth Crystals</b>                     |                        |                   |                |
| Paradichlorobenzene .....                              | 100.00                 | 99.07             | Passed         |
| <b>Reliable Chemical Company, Inc.</b>                 |                        |                   |                |
| <b>Para-Zene Crystals</b>                              |                        |                   |                |
| Paradichlorobenzene .....                              | 100.00                 | 98.88             | Not Registered |
| do .....   | 100.00                 | 95.28             | Not Registered |
| <b>Rexall Drug Co.</b>                                 |                        |                   |                |
| <b>Rexall Moth Cake</b>                                |                        |                   |                |
| Paradichlorobenzene .....                              | 100.00                 | 97.25             | Not Registered |
| <b>Rexall Moth Crystals</b>                            |                        |                   |                |
| Paradichlorobenzene .....                              | 100.00                 | 98.88             | Not Registered |
| <b>Sarandos Deodorant Company, Inc.</b>                |                        |                   |                |
| <b>Fresh Air Moth Crystals</b>                         |                        |                   |                |
| Paradichlorobenzene .....                              | 100.00                 | 98.15             | Not Registered |
| <b>Fresh Air Moth Nuggets</b>                          |                        |                   |                |
| Paradichlorobenzene .....                              | 100.00                 | 98.15             | Not Registered |
| <b>PARATHION</b>                                       |                        |                   |                |
| <b>Blue Chemical Company, Inc.</b>                     |                        |                   |                |
| <b>Thor Brand 4% Parathion Granules</b>                |                        |                   |                |
| Parathion .....  | 4.00                   | 4.05              | Not Registered |
| <b>The Borden Chemical Co.<br/>Smith-Douglass Div.</b> |                        |                   |                |
| <b>Smith-Douglass 4% Parathion Granules</b>            |                        |                   |                |
| Parathion .....  | 4.00                   | 2.78              | Deficient      |
| <b>Carolina Chemical Corp.</b>                         |                        |                   |                |
| <b>Champion Liquid 4E Parathion</b>                    |                        |                   |                |
| Parathion .....  | 49.00                  | 46.55             | Passed         |
| do .....   | 49.00                  | 47.22             | Passed         |
| do .....   | 49.00                  | 42.65             | Deficient      |

| Manufacturers and Brands                                       | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Coastal Chemical Corp.</b>                                  |                        |                   |                |
| Coastal Parathion 1% Dust                                      |                        |                   |                |
| Parathion .....  | 1.00                   | 0.86              | Deficient      |
| Coastal Parathion 4  |                        |                   |                |
| Parathion .....  | 46.50                  | 44.26             | Passed         |
| <b>Farmers Cooperative Exchange, Inc.<br/>(Now: FCX, Inc.)</b> |                        |                   |                |
| FCX 1% Parathion Dust  |                        |                   |                |
| Parathion .....  | 1.00                   | 1.03              | Passed         |
| FCX 4% Parathion Granular                                      |                        |                   |                |
| Parathion .....  | 4.00                   | 3.82              | Passed         |
| FCX Parathion 400  |                        |                   |                |
| Parathion .....  | 46.00                  | 45.36             | Not Registered |
| <b>FCX, Inc.</b>   |                        |                   |                |
| FCX Parathion-4 Emulsifiable Concentrate                       |                        |                   |                |
| Parathion .....  | 45.30                  | 45.00             | Passed         |
| do .....   | 45.30                  | 44.69             | Passed         |
| do .....   | 45.30                  | 44.35             | Passed         |
| do .....   | 45.30                  | 44.33             | Passed         |
| <b>W. R. Grace and Co.<br/>Agricultural Products Div.</b>      |                        |                   |                |
| Maxwell 4% Parathion Granules                                  |                        |                   |                |
| Parathion .....  | 4.00                   | 4.06              | Passed         |
| Naco 15% Parathion Wettable                                    |                        |                   |                |
| Parathion .....  | 15.00                  | 14.42             | Passed         |
| <b>Monsanto Co.</b>  |                        |                   |                |
| Monsanto Niran 10-G Soil Insecticide                           |                        |                   |                |
| Parathion .....  | 10.00                  | 9.54              | Passed         |
| <b>Olin Mathieson Chemical Corp.</b>                           |                        |                   |                |
| Mathieson Parathion 4% Granular                                |                        |                   |                |
| Parathion .....  | 4.00                   | 4.26              | Passed         |
| Mathieson Parathion 4 lb. Emulsifiable Concentrate             |                        |                   |                |
| Parathion .....  | 46.50                  | 42.76             | Deficient      |

| Manufacturers and Brands                   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| <b>Planters Chemical Corp.</b>             |                        |                   |           |
| Planters 1% Parathion Dust                 |                        |                   |           |
| Parathion .....                            | 1.00                   | 1.14              | Passed    |
| Planters 2% Parathion Dust                 |                        |                   |           |
| Parathion .....                            | 2.00                   | 1.91              | Passed    |
| <b>Royster Chemical Co.</b>                |                        |                   |           |
| Royster Chem-Pest "40G"                    |                        |                   |           |
| Parathion .....                            | 4.00                   | 3.83              | Passed    |
| <b>Standard Spray and Chemical Co.</b>     |                        |                   |           |
| 42% Parathion Water Emulsion               |                        |                   |           |
| Parathion .....                            | 42.00                  | 32.62             | Deficient |
| do .....                                   | 42.00                  | 16.12             | Deficient |
| <b>PARATHION-SULFUR</b>                    |                        |                   |           |
| <b>E-Z-Flo Chemical Co.</b>                |                        |                   |           |
| E-Z-Flo Peach Spray No. 2                  |                        |                   |           |
| Parathion .....                            | 3.70                   | 3.75              | Passed    |
| Sulfur .....                               | 75.00                  | 76.70             |           |
| <b>PENTACHLOROPHENOL</b>                   |                        |                   |           |
| <b>Daly-Herring Co.</b>                    |                        |                   |           |
| Dee Aitch 41% Penta Wood Preservative      |                        |                   |           |
| Pentachlorophenol .....                    | 41.00                  | 39.89             | Passed    |
| <b>Forshaw Chemicals, Inc.</b>             |                        |                   |           |
| Pentacon-40 Concentrated Wood Preservative |                        |                   |           |
| Pentachlorophenol .....                    | 40.00                  | 38.75             | Passed    |
| <b>Thompson Chemicals Corp.</b>            |                        |                   |           |
| Penta Fix Wood Preservative                |                        |                   |           |
| Pentachlorophenol .....                    | 5.00                   | 4.79              | Passed    |



| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**PENTACHLOROPHENOL—CHLORO O-PHENYL PHENOL****Ralston Purina Co.****Purina Insect Oil Concentrate**

|                              |       |       |        |
|------------------------------|-------|-------|--------|
| Pentachlorophenol .....      | 30.70 |       | Passed |
| Chloro o-phenyl phenol ..... | 5.00  |       |        |
| Other chlorophenols .....    | 4.40  |       |        |
| Theoretical chlorine .....   | 25.35 | 24.62 |        |

**PENTACHLOROPHENOL-PROMETONE****Swift and Co.****Agricultural Chemical Div.****Vigro Weed and Grass Killer**

|                         |      |      |                |
|-------------------------|------|------|----------------|
| Pentachlorophenol ..... | 0.75 | 0.97 | Not Registered |
| Prometone .....         | 1.00 | 0.96 |                |

**PERTHANE-DDVP****Starbar, Inc.****(Now: Thuron Industries, Inc.)****Starbar Horse and Barn Spray**

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Perthane .....             | 37.00 |       | Passed |
| DDVP .....                 | 5.00  |       |        |
| Theoretical chlorine ..... | 10.14 | 10.66 |        |

**PERTHANE-DDVP-DICAPTHON****Starbar, Inc.****(Now: Thuron Industries, Inc.)****Starbar Golden Malrin Sugar Bait**

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Perthane .....             | 0.20  |       | Passed |
| DDVP .....                 | 0.105 |       |        |
| Dicaphthon .....           | 0.20  |       |        |
| Theoretical chlorine ..... | 0.10  | 0.093 |        |
| Perthane .....             | 0.20  |       | Passed |
| DDVP .....                 | 0.108 |       |        |
| Dicaphthon .....           | 0.20  |       |        |
| Theoretical chlorine ..... | 0.10  | 0.16  |        |

**PERTHANE-PIPERONYL BUTOXIDE-PYRETHRINS****Ralston Purina Co.****Purina Home Aero-Spray**

|                          |      |      |        |
|--------------------------|------|------|--------|
| Perthane .....           | 2.00 | 2.29 | Passed |
| Piperonyl butoxide ..... | 0.80 | 0.75 |        |
| Pyrethrins .....         | 0.20 | 0.22 |        |

| Manufacturers and Brands                    | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>PETROLEUM DERIVATIVE SOLVENTS</b>        |                        |                   |                |
| <b>Black Leaf Products Co.</b>              |                        |                   |                |
| Black Leaf Dormant Spray                    |                        |                   |                |
| Petroleum oils .....                        | 97.00                  | 99.53             | Not Registered |
| <b>E-Z-Flo Chemical Co.</b>                 |                        |                   |                |
| E-Z-Flo Sucker Dope                         |                        |                   |                |
| Aromatic petroleum derivative solvent ..... | 98.50                  | 97.55             | Passed         |
| do .....                                    | 98.50                  | 97.88             | Passed         |
| <b>B. G. Pratt Co.</b>                      |                        |                   |                |
| Scalecide                                   |                        |                   |                |
| Petroleum oil .....                         | 98.00                  | 99.47             | Passed         |
| <b>United Co-Operatives, Inc.</b>           |                        |                   |                |
| Unico Spray Oil                             |                        |                   |                |
| Petroleum distillate .....                  | 97.00                  | 99.20             | Passed         |
| <b>PHALTAN</b>                              |                        |                   |                |
| <b>Chevron Chemical Company—Ortho Div.</b>  |                        |                   |                |
| Ortho Phaltan 50 Wetttable                  |                        |                   |                |
| Phaltan .....                               | 50.00                  | 53.81             | Passed         |
| Ortho Phaltan Rose and Garden Fungicide     |                        |                   |                |
| Phaltan .....                               | 75.00                  | 77.60             | Passed         |
| <b>Stauffer Chemical Co.</b>                |                        |                   |                |
| Stauffer Folpet (Phaltan) 50-WP             |                        |                   |                |
| Phaltan .....                               | 50.00                  | 50.84             | Passed         |
| <b>PHENOL PREPARATIONS</b>                  |                        |                   |                |
| <b>Anderson Box Company, Inc.</b>           |                        |                   |                |
| Toxite Disinfectant Spray                   |                        |                   |                |
| Xylenols .....                              | 8.00                   | Not Registered    |                |
| Cresols .....                               | 2.00                   |                   |                |
| Phenol equivalent .....                     | 10.00                  |                   |                |

| Manufacturers and Brands                                       | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Boyle-Midway Inc.</b>                                       |                        |                   |                |
| Salem Witch Brand Creol Disinfectant                           |                        |                   |                |
| Cresylic acid .....  | 11.00                  | 12.24             | Passed         |
| <b>Hess and Clark<br/>Division of Richardson-Merrell, Inc.</b> |                        |                   |                |
| Hess and Clark Dip and Disinfectant                            |                        |                   |                |
| Coal tar phenols .....   | 14.00                  | 16.32             | Passed         |
| <b>Dr. LeGear, Inc.<br/>(Now: LeGear Laboratories, Inc.)</b>   |                        |                   |                |
| LeGear Dip and Disinfectant                                    |                        |                   |                |
| Coal tar acids .....   | 11.00                  | 11.94             | Passed         |
| <b>C. J. Martin and Sons, Inc.</b>                             |                        |                   |                |
| Martins Creosote Dip and Disinfectant                          |                        |                   |                |
| Phenol .....   | 19.00                  | 18.74             | Not Registered |
| <b>National Hog Medicine Co.</b>                               |                        |                   |                |
| National Creso Dip   |                        |                   |                |
| Phenols .....  | 18.00                  | 19.91             | Passed         |
| <b>Chas. Pfizer and Company, Inc.</b>                          |                        |                   |                |
| Pfizer 50% Cresylic Disinfectant                               |                        |                   |                |
| Cresylic acid .....  | 50.00                  | 48.39             | Not Registered |
| do .....   | 50.00                  | 51.50             | Not Registered |
| <b>Renuzit Home Products Co.</b>                               |                        |                   |                |
| Renuzit's Spray Disinfectant                                   |                        |                   |                |
| O-phenylphenol .....   | 0.10                   | 0.10              | Not Registered |
| <b>United Co-Operatives, Inc.</b>                              |                        |                   |                |
| Unico Stock Dip and Disinfectant                               |                        |                   |                |
| Coal tar acids .....   | 11.00                  | 10.81             | Passed         |
| <b>Whitmoyer Laboratories, Inc.</b>                            |                        |                   |                |
| Whitmoyer Tekreso!-A Saponified Cresylic-Disinfectant          |                        |                   |                |
| Cresylic acid .....  | 51.61                  | 52.01             | Not Registered |



| Manufacturers and Brands                        | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>PHOSDRIN</b>                                 |                        |                   |                |
| <b>Planters Chemical Corp.</b>                  |                        |                   |                |
| Planters 2% Phosdrin Dust                       |                        |                   |                |
| Phosdrin .....                                  | 2.00                   | 1.44              | Deficient      |
| <b>Southern Agricultural Insecticides, Inc.</b> |                        |                   |                |
| SA-50 Brand 2% Phosdrin Insecticide Dust        |                        |                   |                |
| Phosdrin .....                                  | 2.00                   | 1.12              | Deficient      |
| <b>PHOSPHORUS</b>                               |                        |                   |                |
| <b>Common Sense Manufacturing Company, Inc.</b> |                        |                   |                |
| Common Sense Cockroach Preparation              |                        |                   |                |
| Phosphorus .....                                | 2.00                   | 2.17              | Passed         |
| Common Sense Rat Preparation                    |                        |                   |                |
| Phosphorus .....                                | 2.00                   | 2.01              | Passed         |
| do .....  | 2.00                   | 1.79              | Deficient      |
| <b>Nip-Co Manufacturing, Inc.</b>               |                        |                   |                |
| Rat Nip   |                        |                   |                |
| Phosphorus .....                                | 1.25                   | 1.33              | Passed         |
| do .....  | 1.25                   | 1.55              | Passed         |
| <b>Pearson and Co.</b>                          |                        |                   |                |
| Pearson's Poison Paste                          |                        |                   |                |
| Phosphorus .....                                | 2.00                   | 1.47              | Deficient      |
| <b>Royal Manufacturing Co.</b>                  |                        |                   |                |
| Saxon Rat, Mouse, Roach and Gopher Paste        |                        |                   |                |
| Phosphorus .....                                | 2.50                   | 2.45              | Not Registered |
| <b>Stearns Electric Paste Co.</b>               |                        |                   |                |
| Stearns' Electric Brand Paste                   |                        |                   |                |
| Phosphorus .....                                | 3.00                   | 2.92              | Passed         |
| do .....  | 3.00                   | 3.07              | Passed         |
| do .....  | 3.00                   | 3.23              | Passed         |
| do .....  | 3.00                   | 2.42              | Deficient      |

| Manufacturers and Brands                            | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>PINE OIL</b>                                     |                        |                   |                |
| <b>Allied Drug Products Co.</b>                     |                        |                   |                |
| Allied Brand Pine Oil Disinfectant                  |                        |                   |                |
| Pine oil .....                                      | 80.00                  | 78.06             | Passed         |
| <b>Cumberland Manufacturing Co.</b>                 |                        |                   |                |
| Swan Pine Oil Disinfectant                          |                        |                   |                |
| Pine oil .....                                      | 80.00                  | 78.38             | Not Registered |
| <b>PINE OIL—2, CHLORO-4-PHENYLPHENOL</b>            |                        |                   |                |
| <b>American Cyanamid Co.</b>                        |                        |                   |                |
| Pine-Sol  |                        |                   |                |
| Pine oil .....                                      | 35.20                  | 34.04             | Passed         |
| 2, chloro-4-phenylphenol .....                      | 2.50                   | 2.56              |                |
| <b>PIVAL</b>  |                        |                   |                |
| <b>CESSCO, Inc.</b>                                 |                        |                   |                |
| <b>Chemical and Equipment Sales and Service Co.</b> |                        |                   |                |
| Bait-Tox Ready-Mixed Rat Bait                       |                        |                   |                |
| Pival .....   | 0.025                  | 0.026             | Passed         |
| do .....  | 0.025                  | 0.026             | Passed         |
| <b>FCX, Inc.</b>                                    |                        |                   |                |
| FCX Trackdown Rat and Mouse Bait                    |                        |                   |                |
| Pival .....   | 0.025                  | 0.026             | Passed         |
| <b>Master Products Co.</b>                          |                        |                   |                |
| Kills-Mor Rat and Mice Killer                       |                        |                   |                |
| Pival .....   | 0.025                  | 0.026             | Passed         |
| <b>PIVALYN</b>                                      |                        |                   |                |
| <b>Ralston Purina Co.</b>                           |                        |                   |                |
| Purina Mouse Kill                                   |                        |                   |                |
| Pivalyn .....                                       | 0.0275                 | 0.027             | Passed         |
| Purina Rat-Kill                                     |                        |                   |                |
| Pivalyn .....                                       | 0.0275                 | 0.030             | Passed         |
| do .....  | 0.0275                 | 0.029             | Passed         |
| do .....  | 0.0275                 | 0.0284            | Passed         |

| Manufacturers and Brands                                       | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>POLYRAM</b>   |                        |                   |                |
| <b>Coastal Chemical Corp.</b>                                  |                        |                   |                |
| Coastal Polyram 5 Dust Fungicide                               |                        |                   |                |
| Polyram .....  | 5.00                   | 5.92              | Passed         |
| <b>W. R. Grace and Co.<br/>Davison Chemical Div.</b>           |                        |                   |                |
| Maxwell Polyram 3.5 Dust                                       |                        |                   |                |
| Polyram .....  | 3.50                   | 1.10              | Deficient      |
| do .....   | 3.50                   | 1.46              | Deficient      |
| <b>Niagara Chemical Division—FMC Corp.</b>                     |                        |                   |                |
| Niagara Polyram 5 Dust Fungicide                               |                        |                   |                |
| Polyram .....  | 5.00                   | 6.78              | Passed         |
| <b>POLYRAM-PARATHION</b>                                       |                        |                   |                |
| <b>Farmers Cooperative Exchange, Inc.<br/>(Now: FCX, Inc.)</b> |                        |                   |                |
| FCX Polyram 3.5 Dust + Parathion                               |                        |                   |                |
| Polyram .....  | 3.50                   | 3.35              | Deficient      |
| Parathion .....  | 1.00                   | 0.80              |                |
| <b>PYRETHRINS</b>  |                        |                   |                |
| <b>The Farnam Co.<br/>(Now: Farnam Companies, Inc.)</b>        |                        |                   |                |
| Farnam Flys-Away Repellent Stick                               |                        |                   |                |
| Pyrethrins .....   | 0.40                   | 0.30              | Not Registered |
| do .....   | 0.40                   | 0.38              | Not Registered |
| <b>Dr. LeGear, Inc.<br/>(Now: LeGear Laboratories, Inc.)</b>   |                        |                   |                |
| LeGear Premium Beef and Dairy Cattle Spray                     |                        |                   |                |
| Pyrethrins .....   | 0.05                   | 0.07              | Passed         |
| <b>McCormick and Company, Inc.</b>                             |                        |                   |                |
| Bee Brand Insect Powder  |                        |                   |                |
| Pyrethrins .....   | 0.75                   | 0.88              | Passed         |
| do .....   | 0.75                   | 0.80              | Passed         |



| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**Pic Corp.**

Pic Mosquito Repellent

|                  |      |      |        |
|------------------|------|------|--------|
| Pyrethrins ..... | 0.50 | 0.50 | Passed |
|------------------|------|------|--------|

**Roxo Imports Inc.**

Roxo Mosquito Repellent

|                  |      |      |                |
|------------------|------|------|----------------|
| Pyrethrins ..... | 0.50 | 0.60 | Not Registered |
|------------------|------|------|----------------|

**PYRETHRINS-PINE OIL****Dr. LeGear, Inc.**

(Now: LeGear Laboratories, Inc.)

LeGear Premium Beef and Dairy Cattle Spray

|                  |      |         |        |
|------------------|------|---------|--------|
| Pyrethrins ..... | 0.05 | 0.08    | Passed |
| Pine oil .....   | 2.00 | Present |        |
| Pyrethrins ..... | 0.05 | 0.07    | Passed |
| Pine oil .....   | 2.00 | Present |        |

**PYRETHRINS-PINE OIL-PIPERONYL BUTOXIDE****The Farnam Co.**

(Now: Farnam Companies, Inc.)

Farnam Repel-X Fly Spray Concentrate

|                          |       |       |           |
|--------------------------|-------|-------|-----------|
| Pyrethrins .....         | 0.40  | 0.42  | Deficient |
| Pine oil .....           | 40.00 | 38.93 |           |
| Piperonyl butoxide ..... | 1.00  | 0.34  |           |

**PYRETHRINS-PIPERONYL BUTOXIDE****Aeroseal Corp.**

Aer Seal Bug Blaster Insect Spray (Aerosol)

|                          |      |      |                |
|--------------------------|------|------|----------------|
| Pyrethrins .....         | 0.25 | 0.23 | Deficient      |
| Piperonyl butoxide ..... | 0.50 | 0.15 | Not Registered |

**Black Leaf Products Co.**

Black Leaf House and Garden Spray (Aerosol)

|                          |      |      |                |
|--------------------------|------|------|----------------|
| Pyrethrins .....         | 0.15 | 0.14 | Not Registered |
| Piperonyl butoxide ..... | 0.54 | 0.41 |                |

| Manufacturers and Brands                                       | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Boyle-Midway Inc.</b>                                       |                        |                   |                |
| Black Flag House and Garden Insect Spray                       |                        |                   |                |
| Pyrethrins .....   | 0.25                   | 0.28              | Passed         |
| Piperonyl butoxide .....                                       | 0.80                   | 0.95              |                |
| Pyrethrins .....   | 0.25                   | 0.24              | Passed         |
| Piperonyl butoxide .....                                       | 0.80                   | 0.78              |                |
| <b>Chemkare Corp.</b>  |                        |                   |                |
| Kem Aids 444 Semi-Concentrated Insecticide                     |                        |                   |                |
| Pyrethrins .....   | 0.20                   | 0.19              | Not Registered |
| Piperonyl butoxide .....                                       | 1.00                   | 1.03              |                |
| <b>Chevron Chemical Company—Ortho Div.</b>                     |                        |                   |                |
| Ortho Dairy and Stock Fly Spray                                |                        |                   |                |
| Pyrethrins .....   | 0.03                   | 0.04              | Passed         |
| Piperonyl butoxide .....                                       | 0.25                   | 0.20              |                |
| <b>William Cooper and Nephews, Inc.</b>                        |                        |                   |                |
| Kitty and Cat Flea Spray                                       |                        |                   |                |
| Pyrethrins .....   | 0.06                   | 0.08              | Not Registered |
| Piperonyl butoxide .....                                       | 0.48                   | 0.59              |                |
| <b>The d-Con Company, Inc.</b>                                 |                        |                   |                |
| d-Con Double Action Ant-Roach Killer and Repellent             |                        |                   |                |
| Pyrethrins .....   | 0.075                  | 0.08              | Passed         |
| Piperonyl butoxide .....                                       | 0.150                  | 0.14              |                |
| d-Con Flying Insect Killer for House and Garden                |                        |                   |                |
| Pyrethrins .....   | 0.25                   | 0.30              | Passed         |
| Piperonyl butoxide .....                                       | 0.90                   | 0.93              |                |
| Pyrethrins .....   | 0.25                   | 0.30              | Passed         |
| Piperonyl butoxide .....                                       | 0.90                   | 0.90              |                |
| Pyrethrins .....   | 0.25                   | 0.28              | Passed         |
| Piperonyl butoxide .....                                       | 0.90                   | 0.90              |                |
| <b>Hess and Clark<br/>Division of Richardson-Merrell, Inc.</b> |                        |                   |                |
| Hess and Clark Hesspray for Livestock                          |                        |                   |                |
| Pyrethrins .....   | 0.03                   | 0.05              | Passed         |
| Piperonyl butoxide .....                                       | 0.30                   | 0.19              |                |
| Pyrethrins .....   | 0.03                   | 0.04              | Passed         |
| Piperonyl butoxide .....                                       | 0.30                   | 0.20              |                |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Hot Shot Quality Products, Inc.</b>                             |                        |                   |                |
| Hot Shot Fly and Mosquito Insect Killer                            |                        |                   |                |
| Pyrethrins .....   | 0.075                  | 0.09              | Passed         |
| Piperonyl butoxide .....   | 0.15                   | 0.14              |                |
| Pyrethrins .....   | 0.075                  | 0.09              | Passed         |
| Piperonyl butoxide .....   | 0.15                   | 0.16              |                |
| Hot Shot House and Garden Pest Killer                              |                        |                   |                |
| Pyrethrins .....   | 0.25                   | 0.24              | Passed         |
| Piperonyl butoxide .....   | 0.80                   | 1.00              |                |
| <b>Iredell Chemical Co.</b>  |                        |                   |                |
| Iredell Toxene Insecticide   |                        |                   |                |
| Pyrethrins .....   | 0.20                   | 0.25              | Not Registered |
| Piperonyl butoxide .....   | 1.00                   | 0.97              |                |
| <b>S. C. Johnson and Son, Inc.</b>                                 |                        |                   |                |
| Raid Flying Insect Killer  |                        |                   |                |
| Pyrethrins .....   | 0.075                  | 0.07              | Passed         |
| Piperonyl butoxide .....   | 0.150                  | 0.14              |                |
| Raid Flying Insect Killer  |                        |                   |                |
| Pyrethrins .....   | 0.20                   | 0.19              | Passed         |
| Piperonyl butoxide .....   | 1.00                   | 1.05              |                |
| <b>Dr. LeGear, Inc.</b><br><b>(Now: LeGear Laboratories, Inc.)</b> |                        |                   |                |
| LeGear House and Garden Bug Killer                                 |                        |                   |                |
| Pyrethrins .....   | 0.25                   | 0.44              | Passed         |
| Piperonyl butoxide .....   | 0.80                   | 0.84              |                |
| <b>Lowe's Inc.</b>   |                        |                   |                |
| Lowe's Pet Pak Bird Spray  |                        |                   |                |
| Pyrethrins .....   | 0.05                   | 0.06              | Not Registered |
| Piperonyl butoxide .....   | 0.40                   | 0.41              |                |
| <b>Rexall Drug Co.</b>   |                        |                   |                |
| House and Garden Insect Killer                                     |                        |                   |                |
| Pyrethrins .....   | 0.25                   | 0.26              | Not Registered |
| Piperonyl butoxide .....   | 0.50                   | 0.45              |                |



| Manufacturers and Brands  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>Shulton Home Products Div.</b><br>(Registered by Aerosol Corporation of America) |                        |                   |                |
| Bridgeport Slug-a-Bug   |                        |                   |                |
| Pyrethrins .....  | 0.25                   | 0.32              | Passed         |
| Piperonyl butoxide .....  | 0.625                  | 0.73              |                |
| <b>Starbar, Inc.</b><br><b>Division of Thuron Industries, Inc.</b>                  |                        |                   |                |
| Starbar Swish Horse Fly Repellent   |                        |                   |                |
| Pyrethrins .....  | 0.10                   | 0.12              | Not Registered |
| Piperonyl butoxide .....  | 0.20                   | 0.24              |                |
| <b>Walgreen Laboratories, Inc.</b>  |                        |                   |                |
| Dolph House and Garden Bug Killer   |                        |                   |                |
| Pyrethrins .....  | 0.25                   | 0.27              | Passed         |
| Piperonyl butoxide .....  | 0.50                   | 0.52              |                |
| <b>United Co-Operatives, Inc.</b>   |                        |                   |                |
| Unico House and Garden Insect Bomb  |                        |                   |                |
| Pyrethrins .....  | 0.25                   | 0.23              | Passed         |
| Piperonyl butoxide .....  | 1.00                   | 0.60              |                |
| Pyrethrins .....  | 0.25                   | 0.26              | Passed         |
| Piperonyl butoxide .....  | 1.00                   | 0.77              |                |
| Unico Livestock and Barn Fogging Spray  |                        |                   |                |
| Pyrethrins .....  | 0.10                   | 0.11              | Passed         |
| Piperonyl butoxide .....  | 1.00                   | 0.88              |                |
| <b>ROTENONE</b>   |                        |                   |                |
| <b>Carolina Chemical Corp.</b>  |                        |                   |                |
| Champion Rotenone 1% Dust   |                        |                   |                |
| Rotenone .....  | 1.00                   | 0.95              | Not Registered |
| <b>E-Z-Flo Chemical Co.</b>   |                        |                   |                |
| E-Z-Flo Rotenone 1D   |                        |                   |                |
| Rotenone .....  | 1.00                   | 0.83              | Passed         |
| <b>FCX, Inc.</b>  |                        |                   |                |
| FCX Rotox "100"   |                        |                   |                |
| Rotenone .....  | 1.00                   | 0.91              | Passed         |

| Manufacturers and Brands                      | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>GurMiCo Chemicals, Inc.</b>                |                        |                   |                |
| GurMiCo Rotenone 1% Dust                      |                        |                   |                |
| Rotenone .....                                | 1.00                   | 1.29              | Passed         |
| <b>Nott Manufacturing Company, Inc.</b>       |                        |                   |                |
| Super Flea-Not Powder                         |                        |                   |                |
| Rotenone .....                                | 1.00                   | 1.06              | Not Registered |
| do .....                                      | 1.00                   | 0.91              | Not Registered |
| do .....                                      | 1.00                   | 0.80              | Not Registered |
| <b>One-Spot Co.</b>                           |                        |                   |                |
| One-Spot Flea Killer                          |                        |                   |                |
| Rotenone .....                                | 1.00                   | 0.82              | Passed         |
| do .....                                      | 1.00                   | 1.07              | Passed         |
| <b>Woolfolk Chemical Works, Ltd.</b>          |                        |                   |                |
| Security Brand Mexide 1% Rotenone Dust        |                        |                   |                |
| Rotenone .....                                | 1.00                   | 1.11              | Passed         |
| do .....                                      | 1.00                   | 0.96              | Passed         |
| <b>ROTENONE-COPPER</b>                        |                        |                   |                |
| <b>Carbola Chemical Company, Inc.</b>         |                        |                   |                |
| Carbola CCC Copper Rote                       |                        |                   |                |
| Rotenone .....                                | 1.00                   | 0.83              | Passed         |
| Copper as metallic .....                      | 6.00                   | 6.02              |                |
| <b>ROTENONE-DICHLOROPHENE</b>                 |                        |                   |                |
| <b>Hartz Mountain Products Corp.</b>          |                        |                   |                |
| Hartz Mountain Flea Powder for Cats           |                        |                   |                |
| Rotenone .....                                | 0.75                   | 0.87              | Passed         |
| Dichlorophene .....                           | 0.50                   | 0.45              |                |
| <b>ROTENONE-DICHLOROPHENE-HEXACHLOROPHENE</b> |                        |                   |                |
| <b>Hilo Co.</b>                               |                        |                   |                |
| <b>(Now: Hilo Products, Inc.)</b>             |                        |                   |                |
| Hilo Flea and Fungus Powder                   |                        |                   |                |
| Rotenone .....                                | 1.20                   | 1.54              | Passed         |
| Dichlorophene .....                           | 0.50                   |                   |                |
| Hexachlorophene .....                         | 0.50                   |                   |                |
| Theoretical chlorine .....                    | 0.39                   | 0.36              |                |

| Manufacturers and Brands                              | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| ROTENONE-METHOXYCHLOR                                 |                        |                   |                |
| C. J. Martin and Sons, Inc.                           |                        |                   |                |
| Martin's Lice Killer                                  |                        |                   |                |
| Rotenone .....  | 1.00                   | 0.92              | Not Registered |
| Methoxychlor .....                                    | 0.50                   | 0.70              |                |
| ROTENONE-PINE OIL                                     |                        |                   |                |
| Thompson-Hayward Chemical Co.                         |                        |                   |                |
| De-Pester Cattle Grub Spray                           |                        |                   |                |
| Rotenone .....  | 3.60                   | Present           | Passed         |
| Pine oil .....  | 30.00                  | 31.77             |                |
| ROTENONE-PINE OIL-PIPERONYL CYCLONENE                 |                        |                   |                |
| The Farnam Co.  |                        |                   |                |
| Farnam Rotenox Triple XXX Livestock Spray Concentrate |                        |                   |                |
| Rotenone .....  | 1.19                   | Present           | Not Registered |
| Pine oil .....  | 39.40                  | 39.65             |                |
| Piperonyl cyclonene .....                             | 0.20                   | Present           |                |
| ROTENONE-PIPERONYL BUTOXIDE-PYRETHRINS                |                        |                   |                |
| Boyle-Midway Inc.                                     |                        |                   |                |
| Black Flag Flea, Tick and Louse Powder                |                        |                   |                |
| Rotenone .....  | 0.50                   | 0.73              | Passed         |
| Piperonyl butoxide .....                              | 1.00                   | 1.00              |                |
| Pyrethrins .....                                      | 0.10                   | 0.12              |                |
| Chevron Chemical Company—Ortho Div.                   |                        |                   |                |
| Ortho Indoor Plant Insect Spray                       |                        |                   |                |
| Rotenone .....  | 0.13                   | Present           | Passed         |
| Piperonyl butoxide .....                              | 0.25                   | 0.25              |                |
| Pyrethrins .....                                      | 0.02                   | 0.02              |                |
| Pet'm Laboratories                                    |                        |                   |                |
| Pet'm Flea and Tick Powder                            |                        |                   |                |
| Rotenone .....  | 0.375                  | 0.43              | Passed         |
| Piperonyl butoxide .....                              | 0.750                  | 0.91              |                |
| Pyrethrins .....                                      | 0.075                  | 0.08              |                |



| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**ROTENONE-PYRETHRINS****H. Clay Glover Company, Inc.**

Glover's Imperial Pressurized Flea and Tick Killer

|                  |       |         |        |
|------------------|-------|---------|--------|
| Rotenone .....   | 0.008 | Present | Passed |
| Pyrethrins ..... | 0.056 | 0.072   |        |
| Rotenone .....   | 0.008 | Present | Passed |
| Pyrethrins ..... | 0.056 | 0.03    |        |

**ROTENONE-PYRETHRINS-SULFUR****Southern Agricultural Insecticides, Inc.**

SA-50 Brand Mexican Bean Beetle Control

|                  |       |       |        |
|------------------|-------|-------|--------|
| Rotenone .....   | 0.50  | 0.35  | Passed |
| Pyrethrins ..... | 0.04  | 0.05  |        |
| Sulfur .....     | 18.00 | 19.04 |        |
| Rotenone .....   | 0.50  | 0.75  | Passed |
| Pyrethrins ..... | 0.04  | 0.04  |        |
| Sulfur .....     | 18.00 | 19.47 |        |

SA-100 Brand For Mexican Bean Beetle Control

|                  |       |       |        |
|------------------|-------|-------|--------|
| Rotenone .....   | 1.00  | 0.84  | Passed |
| Pyrethrins ..... | 0.08  | 0.08  |        |
| Sulfur .....     | 18.00 | 18.33 |        |

**ROTENONE-PYRETHRINS-SULFUR-ZINEB****Swift and Co.****Agricultural Chemical Div.**

End-O-Pest for Gardens

|                  |       |         |           |
|------------------|-------|---------|-----------|
| Rotenone .....   | 1.00  | Present | Deficient |
| Pyrethrins ..... | 0.10  | 0.11    |           |
| Sulfur .....     | 10.00 | 9.74    |           |
| Zineb .....      | 3.25  | 2.35    |           |

**ROTENONE-SULFUR****FCX, Inc.**

FCX Cattle Grub and Louse Powder

|                |       |       |        |
|----------------|-------|-------|--------|
| Rotenone ..... | 1.60  | 1.35  | Passed |
| Sulfur .....   | 45.00 | 44.26 |        |
| Rotenone ..... | 1.60  | 1.40  | Passed |
| Sulfur .....   | 45.00 | 44.09 |        |

| Manufacturers and Brands                                     | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| <b>W. R. Grace and Co.<br/>Agricultural Products Div.</b>    |                        |                   |           |
| Maxwell 1% Rotenone Dust                                     |                        |                   |           |
| Rotenone .....   | 1.00                   | 0.97              | Deficient |
| Sulfur .....   | 15.00                  | 13.74             |           |
| Rotenone .....   | 1.00                   | 1.24              | Deficient |
| Sulfur .....   | 15.00                  | 13.65             |           |
| Maxwell Cattle Grub and Louse Powder                         |                        |                   |           |
| Rotenone .....   | 1.50                   | 1.33              | Passed    |
| Sulfur .....   | 65.00                  | 65.35             |           |
| <b>Graham Chemical Co.</b>                                   |                        |                   |           |
| Graham's Red Star Agricultural Vegetable Dust                |                        |                   |           |
| Rotenone .....   | 1.00                   | 0.87              | Deficient |
| Sulfur .....   | 15.00                  | 14.12             |           |
| <b>Dr. LeGear, Inc.<br/>(Now: LeGear Laboratories, Inc.)</b> |                        |                   |           |
| LeGear Louse Powder  |                        |                   |           |
| Rotenone .....   | 1.70                   | 1.79              | Passed    |
| Sulfur .....   | 8.00                   | 7.82              |           |
| Rotenone .....   | 1.70                   | 1.53              | Passed    |
| Sulfur .....   | 8.00                   | 8.15              |           |
| <b>W. R. Peele Company, Inc.</b>                             |                        |                   |           |
| Pelco 1% Rotenone Dust                                       |                        |                   |           |
| Rotenone .....   | 1.00                   | 0.86              | Passed    |
| Sulfur .....   | 15.00                  | 14.71             |           |
| <b>Ralston Purina Co.</b>                                    |                        |                   |           |
| Purina Lice and Grub Killer                                  |                        |                   |           |
| Rotenone .....   | 1.67                   | 1.61              | Passed    |
| Sulfur .....   | 50.00                  | 55.33             |           |
| <b>SABADILLA</b>   |                        |                   |           |
| <b>E-Z-Flo Chemical Co.</b>                                  |                        |                   |           |
| E-Z-Flo Sabadilla Dust                                       |                        |                   |           |
| Sabadilla alkaloids .....                                    | 0.80                   | 0.84              | Passed    |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>GurMiCo Chemicals, Inc.</b>   |                        |                   |                |
| GurMiCo 20% Sabadilla Dust   |                        |                   |                |
| Sabadilla alkaloids .....  | 0.80                   | 0.95              | Not Registered |
| <b>Pearson and Co.</b>   |                        |                   |                |
| Red-Devil Dust 20% Sabadilla   |                        |                   |                |
| Sabadilla alkaloids .....  | 0.80                   | 0.98              | Passed         |
| <b>SEVIN</b>   |                        |                   |                |
| <b>Acme Quality Paints, Inc.<br/>(Registered by The Sherwin-Williams Co.)</b>            |                        |                   |                |
| Acme Sevin 5% Dust   |                        |                   |                |
| Sevin .....  | 5.00                   | 5.07              | Passed         |
| <b>Blue Chemical Company, Inc.</b>   |                        |                   |                |
| Thor Brand 10% Sevin Dust Insecticide  |                        |                   |                |
| Sevin .....  | 10.00                  | 10.54             | Passed         |
| <b>The Borden Chemical Co.<br/>Smith-Douglass Div.</b>                                   |                        |                   |                |
| Smith-Douglass Sevin 5% Dust   |                        |                   |                |
| Sevin .....  | 5.00                   | 5.39              | Passed         |
| Smith-Douglass Sevin 10% Dust  |                        |                   |                |
| Sevin .....  | 10.00                  | 11.13             | Passed         |
| <b>California Chemical Co.—Ortho Div.<br/>(Now: Chevron Chemical Company—Ortho Div.)</b> |                        |                   |                |
| Ortho Sevin 5 Dust   |                        |                   |                |
| Sevin .....  | 5.00                   | 5.77              | Passed         |
| do .....   | 5.00                   | 5.24              | Passed         |
| do .....   | 5.00                   | 5.12              | Passed         |
| <b>Chevron Chemical Company—Ortho Div.</b>   |                        |                   |                |
| Ortho Sevin 5 Dust   |                        |                   |                |
| Sevin .....  | 5.00                   | 5.12              | Passed         |
| do .....   | 5.00                   | 5.31              | Passed         |
| do .....   | 5.00                   | 5.36              | Passed         |
| do .....   | 5.00                   | 5.25              | Passed         |
| do .....   | 5.00                   | 5.43              | Passed         |
| do .....   | 5.00                   | 5.49              | Passed         |



| Manufacturers and Brands                                       | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                      |
|--|------------------------|-------------------|--------------------------------|
| <b>Daly-Herring Co.</b>  |                        |                   |                                |
| Dee Aitch 5% Sevin Dust  |                        |                   |                                |
| Sevin .....  | 5.00                   | 5.27              | Passed                         |
| <b>Dragon Chemical Corp.</b>                                   |                        |                   |                                |
| Dragon 5% Sevin Dust   |                        |                   |                                |
| Sevin .....  | 5.00                   | 5.33              | Passed                         |
| <b>E. I. du Pont de Nemours and Co.</b>                        |                        |                   |                                |
| DuPont Japanese Beetle Killer                                  |                        |                   |                                |
| Sevin .....  | 50.00                  | 51.35             | Passed                         |
| <b>E-Z-Flo Chemical Co.</b>                                    |                        |                   |                                |
| E-Z-Flo Superkill 1¼% Sevin Dust                               |                        |                   |                                |
| Sevin .....  | 1.75                   | 2.02              | Passed                         |
| do .....   | 1.75                   | 6.34              | Excessive<br>Active Ingredient |
| E-Z-Flo Sevin 5 Dust   |                        |                   |                                |
| Sevin .....  | 5.00                   | 5.18              | Passed                         |
| do .....   | 5.00                   | 5.85              | Passed                         |
| do .....   | 5.00                   | 5.07              | Passed                         |
| do .....   | 5.00                   | 5.38              | Passed                         |
| do .....   | 5.00                   | 5.20              | Passed                         |
| E-Z-Flo Sevin 10 Dust  |                        |                   |                                |
| Sevin .....  | 10.00                  | 12.33             | Passed                         |
| do .....   | 10.00                  | 10.14             | Passed                         |
| <b>Farmers Cooperative Exchange, Inc.<br/>(Now: FCX, Inc.)</b> |                        |                   |                                |
| FCX 5% Sevin Dust  |                        |                   |                                |
| Sevin .....  | 5.00                   | 5.35              | Passed                         |
| FCX 10% Sevin Dust   |                        |                   |                                |
| Sevin .....  | 10.00                  | 10.30             | Passed                         |
| do .....   | 10.00                  | 9.97              | Passed                         |
| <b>FCX, Inc.</b>   |                        |                   |                                |
| FCX 5% Sevin Dust  |                        |                   |                                |
| Sevin .....  | 5.00                   | 5.35              | Passed                         |
| do .....   | 5.00                   | 5.29              | Passed                         |
| do .....   | 5.00                   | 5.98              | Passed                         |

| Manufacturers and Brands                      | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>W. R. Grace and Co.</b>                    |                        |                   |           |
| <b>Agricultural Products Div.</b>             |                        |                   |           |
| Maxwell Sevin Bean Dust                       |                        |                   |           |
| Sevin .....                                   | 1.75                   | 1.90              | Passed    |
| do .....                                      | 1.75                   | 1.97              | Passed    |
| Maxwell 5% Sevin Tobacco Dust                 |                        |                   |           |
| Sevin .....                                   | 5.00                   | 4.98              | Passed    |
| do .....                                      | 5.00                   | 5.29              | Passed    |
| do .....                                      | 5.00                   | 4.90              | Passed    |
| <b>GurMiCo Chemicals, Inc.</b>                |                        |                   |           |
| GurMiCo 5% Sevin Dust                         |                        |                   |           |
| Sevin .....                                   | 5.00                   | 5.13              | Passed    |
| do .....                                      | 5.00                   | 5.86              | Passed    |
| do .....                                      | 5.00                   | 4.98              | Passed    |
| GurMiCo 10% Sevin Dust                        |                        |                   |           |
| Sevin .....                                   | 10.00                  | 10.46             | Passed    |
| <b>J. M. Harris and Company, Inc.</b>         |                        |                   |           |
| (Now: Dragon Chemical Corp.)                  |                        |                   |           |
| Dragon Sevin 50                               |                        |                   |           |
| Sevin .....                                   | 50.00                  | 50.40             | Passed    |
| <b>Meherrin Agricultural and Chemical Co.</b> |                        |                   |           |
| Red Kay 10% Sevin Dust                        |                        |                   |           |
| Sevin .....                                   | 10.00                  | 10.11             | Passed    |
| <b>Pearson and Co.</b>                        |                        |                   |           |
| Pearson's 5% Sevin Dust Beetle Killer         |                        |                   |           |
| Sevin .....                                   | 5.00                   | 5.17              | Passed    |
| <b>Planters Chemical Corp.</b>                |                        |                   |           |
| Planters 10% Sevin Dust                       |                        |                   |           |
| Sevin .....                                   | 10.00                  | 10.57             | Passed    |
| do .....                                      | 10.00                  | 10.86             | Passed    |
| <b>Rigo Manufacturing Co.</b>                 |                        |                   |           |
| Kill-Ko Flea Powder                           |                        |                   |           |
| Sevin .....                                   | 5.00                   | 5.63              | Passed    |
| do .....                                      | 5.00                   | 5.20              | Passed    |
| do .....                                      | 5.00                   | 5.45              | Passed    |

| Manufacturers and Brands                                   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Kill-Ko Vegetable Dust 5% Sevin</b>                     |                        |                   |                |
| Sevin .....  | 5.00                   | 5.63              | Passed         |
| do .....   | 5.00                   | 5.56              | Passed         |
| do .....   | 5.00                   | 5.39              | Passed         |
| <b>Royster Chemical Co.</b>                                |                        |                   |                |
| <b>Royster Chem-Pest Sevin 5 Dust Insecticide</b>          |                        |                   |                |
| Sevin .....  | 5.00                   | 5.06              | Passed         |
| do .....   | 5.00                   | 5.33              | Passed         |
| <b>Royster Chem-Pest Sevin 10 Dust</b>                     |                        |                   |                |
| Sevin .....  | 10.00                  | 9.79              | Passed         |
| do .....   | 10.00                  | 10.40             | Passed         |
| <b>Southern Agricultural Chemicals, Inc.</b>               |                        |                   |                |
| <b>Royal Brand 10% Sevin Cotton Dust</b>                   |                        |                   |                |
| Sevin .....  | 10.00                  | 10.46             | Not Registered |
| <b>Southern Agricultural Insecticides, Inc.</b>            |                        |                   |                |
| <b>SA-50 Brand Sevin 1.75% Dust</b>                        |                        |                   |                |
| Sevin .....  | 1.75                   | 2.17              | Passed         |
| <b>SA-50 Brand Sevin 5% Dust</b>                           |                        |                   |                |
| Sevin .....  | 5.00                   | 5.51              | Passed         |
| do .....   | 5.00                   | 5.39              | Passed         |
| do .....   | 5.00                   | 5.51              | Passed         |
| <b>SA-50 Brand Cat and Dog Flea and Tick Dust</b>          |                        |                   |                |
| Sevin .....  | 5.00                   | 5.29              | Passed         |
| <b>SA-50 Brand Sevin 50W Insecticide</b>                   |                        |                   |                |
| Sevin .....  | 50.00                  | 51.66             | Passed         |
| <b>Stephenson Chemical Company, Inc.</b>                   |                        |                   |                |
| <b>5% Sevin Dust</b>                                       |                        |                   |                |
| Sevin .....  | 5.00                   | 5.21              | Not Registered |
| <b>Taylor Chemical Co.<br/>(Now: E-Z-Flo Chemical Co.)</b> |                        |                   |                |
| <b>Supercill 5% Sevin Dust</b>                             |                        |                   |                |
| Sevin .....  | 5.00                   | 6.24              | Passed         |
| <b>Supercill 50% Sevin Wettable Powder</b>                 |                        |                   |                |
| Sevin .....  | 50.00                  | 52.03             | Passed         |



| Manufacturers and Brands                            | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| Union Carbide Corp.                                 |                        |                   |                |
| Union Carbide Brand Sevin Brand 50-W Insecticide    |                        |                   |                |
| Sevin .....   | 50.00                  | 51.34             | Passed         |
| Weston Products Co.                                 |                        |                   |                |
| Dr. Douglas' Flea and Tick Powder for Dogs and Cats |                        |                   |                |
| Sevin .....   | 5.00                   | 5.01              | Passed         |
| Woolfolk Chemical Works, Ltd.                       |                        |                   |                |
| Security Brand 5% Sevin Garden Dust                 |                        |                   |                |
| Sevin .....   | 5.00                   | 5.23              | Passed         |
| do .....  | 5.00                   | 5.13              | Passed         |
| Security Brand 7½% Sevin                            |                        |                   |                |
| Sevin .....   | 7.50                   | 7.63              | Passed         |
| Security Brand 10% Sevin Cotton Dust                |                        |                   |                |
| Sevin .....   | 10.00                  | 9.97              | Passed         |
| SEVIN-CAPTAN  |                        |                   |                |
| Polk Miller Products Corp.                          |                        |                   |                |
| Sergeant's Flea and Tick Powder                     |                        |                   |                |
| Sevin .....   | 5.00                   | 5.74              | Passed         |
| Captan .....  | 0.30                   | 0.33              |                |
| Sevin .....   | 5.00                   |                   | Passed         |
| Captan .....  | 0.30                   |                   |                |
| Theoretical nitrogen .....                          | 0.36                   | 0.41              |                |
| Sevin .....   | 5.00                   |                   | Passed         |
| Captan .....  | 0.30                   |                   |                |
| Theoretical nitrogen .....                          | 0.36                   | 0.41              |                |
| United Co-Operatives, Inc.                          |                        |                   |                |
| Unico Fruit Spray Powder                            |                        |                   |                |
| Sevin .....   | 20.00                  |                   | Passed         |
| Captan .....  | 20.00                  |                   |                |
| Theoretical nitrogen .....                          | 2.36                   | 2.38              |                |
| SEVIN-CHLORANIL                                     |                        |                   |                |
| Walgreen Laboratories, Inc.                         |                        |                   |                |
| Flea and Tick Powder for Dogs                       |                        |                   |                |
| Sevin .....   | 5.00                   | 5.43              | Not Registered |
| Chloranil .....                                     | 5.00                   | 5.12              |                |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>SEVIN-COPPER</b>  |                        |                   |                |
| <b>Farmers Cooperative Exchange, Inc.</b><br><b>(Now: FCX, Inc.)</b>     |                        |                   |                |
| FCX "73" Potato and Tomato Dust  |                        |                   |                |
| Sevin .....  | 3.00                   | 3.17              | Passed         |
| Copper as metallic .....   | 7.00                   | 6.91              |                |
| <b>J. M. Harris Company, Inc.</b><br><b>(Now: Dragon Chemical Corp.)</b> |                        |                   |                |
| Copper Dragon Contains 2% Sevin  |                        |                   |                |
| Sevin .....  | 2.00                   | 2.09              | Passed         |
| Copper as metallic .....   | 7.00                   | 7.34              |                |
| <b>Planters Chemical Corp.</b>   |                        |                   |                |
| Planters 3% Sevin-7% Copper Dust   |                        |                   |                |
| Sevin .....  | 3.00                   | 3.62              | Passed         |
| Copper as metallic .....   | 7.00                   | 6.71              |                |
| Sevin .....  | 3.00                   | 3.25              | Passed         |
| Copper as metallic .....   | 7.00                   | 6.69              |                |
| <b>SEVIN-COPPER-SULFUR</b>   |                        |                   |                |
| <b>The Borden Chemical Co.</b><br><b>Smith-Douglass Div.</b>             |                        |                   |                |
| Smith-Douglass Sevin-Copper-Sulfur Dust for Peanuts                      |                        |                   |                |
| Sevin .....  | 5.00                   | 4.97              | Passed         |
| Copper as metallic .....   | 4.00                   | 4.35              |                |
| Sulfur .....   | 75.00                  | 74.10             |                |
| <b>Carolina Chemical Corp.</b>   |                        |                   |                |
| Champion Peanut King Copper 4-Sevin 5-Sulphur 80 Peanut Dust             |                        |                   |                |
| Sevin .....  | 5.00                   | 4.75              | Deficient      |
| Copper as metallic .....   | 4.00                   | 3.15              | Not Registered |
| Sulfur .....   | 80.00                  | 66.63             |                |
| <b>Chevron Chemical Company—Ortho Div.</b>                               |                        |                   |                |
| Ortho Sevin Copper Sulfur 5-3.4-70 Dust                                  |                        |                   |                |
| Sevin .....  | 5.00                   | 5.40              | Deficient      |
| Copper as metallic .....   | 3.40                   | 3.16              |                |
| Sulfur .....   | 70.00                  | 69.03             |                |

| Manufacturers and Brands                                 | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                   |
|--|------------------------|-------------------|-----------------------------|
| <b>Daly-Herring Co.</b>                                  |                        |                   |                             |
| D-H 4% Metallic Copper 5% Sevin 74% Sulphur Peanut Dust  |                        |                   |                             |
| Sevin .....  | 5.00                   | 4.91              | Passed                      |
| Copper as metallic .....                                 | 4.00                   | 4.15              |                             |
| Sulfur .....   | 74.00                  | 75.20             |                             |
| <b>E-Z-Flo Chemical Co.</b>                              |                        |                   |                             |
| E-Z-Flo Copper-Sevin-Sulphur Peanut Dust                 |                        |                   |                             |
| Sevin .....  | 5.00                   | 5.86              | Passed                      |
| Copper as metallic .....                                 | 4.00                   | 4.10              |                             |
| Sulfur .....   | 80.00                  | 80.40             |                             |
| <b>FCX, Inc.</b>   |                        |                   |                             |
| FCX Copper Sulphur Sevin Dust                            |                        |                   |                             |
| Sevin .....  | 5.00                   | 4.89              | Not Registered              |
| Copper as metallic .....                                 | 4.00                   | 4.11              |                             |
| Sulfur .....   | 80.00                  | 76.56             |                             |
| Sevin .....  | 5.00                   | 5.00              | Deficient<br>Not Registered |
| Copper as metallic .....                                 | 4.00                   | 3.99              |                             |
| Sulfur .....   | 80.00                  | 73.95             |                             |
| <b>W. R. Grace and Co.<br/>Agricultural Products Div</b> |                        |                   |                             |
| Maxwell Copper-Sevin-Sulphur Peanut Dust                 |                        |                   |                             |
| Sevin .....  | 5.00                   | 4.77              | Passed                      |
| Copper as metallic .....                                 | 4.00                   | 4.41              |                             |
| Sulfur .....   | 75.00                  | 77.73             |                             |
| <b>GurMiCo Chemicals, Inc.</b>                           |                        |                   |                             |
| GurMiCo 4% Copper 5% Sevin 75% Sulphur Peanut Special    |                        |                   |                             |
| Sevin .....  | 5.00                   | 4.45              | Deficient                   |
| Copper as metallic .....                                 | 4.00                   | 3.86              |                             |
| Sulfur .....   | 75.00                  | 67.88             |                             |
| <b>Meherrin Agricultural and Chemical Co.</b>            |                        |                   |                             |
| Red Kay Copper-Sevin-Sulphur Peanut Dust 4-5-75          |                        |                   |                             |
| Sevin .....  | 5.00                   | 5.03              | Passed                      |
| Copper as metallic .....                                 | 4.00                   | 4.15              |                             |
| Sulfur .....   | 75.00                  | 73.24             |                             |
| Sevin .....  | 5.00                   | 5.03              | Passed                      |
| Copper as metallic .....                                 | 4.00                   | 3.92              |                             |
| Sulfur .....   | 75.00                  | 75.02             |                             |



| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| Sevin .....              | 5.00  | 4.97  | Passed |
| Copper as metallic ..... | 4.00  | 3.92  |        |
| Sulfur .....             | 75.00 | 74.36 |        |

**Olin Mathieson Chemical Corp.**

Mathieson Copper-Sevin-Sulfur 4-5-80 Peanut Dust

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| Sevin .....              | 5.00  | 5.43  | Passed |
| Copper as metallic ..... | 4.00  | 4.00  |        |
| Sulfur .....             | 80.00 | 79.11 |        |

**Planters Chemical Corp.**

Planters Sevin-Copper-Sulfur Dust for Peanuts

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| Sevin .....              | 5.00  | 5.34  | Passed |
| Copper as metallic ..... | 4.00  | 3.83  |        |
| Sulfur .....             | 75.00 | 75.27 |        |

**Royster Chemical Co.**

Royster Chem-Pest 5% Sevin 4% Copper 75% Sulfur Dust

|                          |       |       |        |
|--------------------------|-------|-------|--------|
| Sevin .....              | 5.00  | 5.63  | Passed |
| Copper as metallic ..... | 4.00  | 4.02  |        |
| Sulfur .....             | 75.00 | 75.08 |        |

**SEVIN-DICHLOROPHENE****William Cooper and Nephews, Inc.**

Pulvex Kitty and Cat Flea Powder

|                     |      |      |        |
|---------------------|------|------|--------|
| Sevin .....         | 3.00 | 3.46 | Passed |
| Dichlorophene ..... | 0.50 | 0.54 |        |

Pulvex Medicated Flea, Tick and Fungus Powder

|                     |      |      |        |
|---------------------|------|------|--------|
| Sevin .....         | 3.00 | 3.54 | Passed |
| Dichlorophene ..... | 0.50 | 0.70 |        |
| Sevin .....         | 3.00 | 3.81 | Passed |
| Dichlorophene ..... | 0.50 | 0.58 |        |
| Sevin .....         | 3.00 | 3.46 | Passed |
| Dichlorophene ..... | 0.50 | 0.58 |        |

**Happy Jack, Inc.**

Happy Jack Flea-Tick Powder

|                     |      |      |                |
|---------------------|------|------|----------------|
| Sevin .....         | 5.00 | 5.74 | Not Registered |
| Dichlorophene ..... | 1.00 | 1.00 |                |
| Sevin .....         | 5.00 | 5.85 | Not Registered |
| Dichlorophene ..... | 1.00 | 1.45 |                |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

|                     |      |      |        |
|---------------------|------|------|--------|
| Sevin .....         | 5.00 | 6.02 | Passed |
| Dichlorophene ..... | 1.00 | 1.05 |        |

**Hartz Mountain Products Corp.**

## Hartz Mountain Flea Powder for Dogs

|                     |      |      |        |
|---------------------|------|------|--------|
| Sevin .....         | 5.00 | 5.58 | Passed |
| Dichlorophene ..... | 0.50 | 0.45 |        |

**Chas. Pfizer and Company, Inc.**

## Pfizer Flea and Tick Powder

|                     |      |      |                                |
|---------------------|------|------|--------------------------------|
| Sevin .....         | 5.00 | 4.76 | Not Registered                 |
| Dichlorophene ..... | 0.50 | 2.06 | Excessive<br>Active Ingredient |

**Starbar, Inc.**

## Division of Thuron Industries, Inc.

## Starbar Trix Flea and Tick Powder

|                     |      |      |        |
|---------------------|------|------|--------|
| Sevin .....         | 5.00 | 5.51 | Passed |
| Dichlorophene ..... | 0.50 | 0.58 |        |

**SEVIN-MANEB****Parrott Chemical Co.**

## Lucky Strike 700 Garden Time Dust

|                            |      |      |                |
|----------------------------|------|------|----------------|
| Sevin .....                | 5.00 |      | Not Registered |
| Maneb .....                | 5.50 |      |                |
| Theoretical nitrogen ..... | 0.93 | 1.10 |                |

**Swift and Co.**

## Agricultural Chemical Div.

## Swift's Tomato Dust 5% Sevin 4.2% Maneb Dust

|                            |      |      |                |
|----------------------------|------|------|----------------|
| Sevin .....                | 5.00 |      | Not Registered |
| Maneb .....                | 4.20 |      |                |
| Theoretical nitrogen ..... | 0.79 | 0.96 |                |
| Sevin .....                | 5.00 |      | Not Registered |
| Maneb .....                | 4.20 |      |                |
| Theoretical nitrogen ..... | 0.79 | 0.74 |                |

**SEVIN-PARATHION****Chevron Chemical Company—Ortho Div.**

## Ortho Sevin Parathion 5-1 Dust

|                 |      |      |        |
|-----------------|------|------|--------|
| Sevin .....     | 5.00 | 6.26 | Passed |
| Parathion ..... | 1.00 | 0.95 |        |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

|                 |      |      |        |
|-----------------|------|------|--------|
| Sevin .....     | 5.00 | 6.47 | Passed |
| Parathion ..... | 1.00 | 0.95 |        |

**Daly-Herring Co.**

Dee Aitch 10% Sevin Dust 2% Parathion

|                 |       |      |                             |
|-----------------|-------|------|-----------------------------|
| Sevin .....     | 10.00 | 9.67 | Deficient<br>Not Registered |
| Parathion ..... | 2.00  | 0.98 |                             |

**Planters Chemical Corp.**

Planters Tobacco Protector

|                 |      |      |        |
|-----------------|------|------|--------|
| Sevin .....     | 5.00 | 6.47 | Passed |
| Parathion ..... | 1.00 | 0.96 |        |

**SEVIN-POLYRAM****Daly-Herring Co.**

D-H Polyram 5 Sevin Dust Fungicide-Insecticide

|                            |      |      |                |
|----------------------------|------|------|----------------|
| Sevin .....                | 5.00 |      | Not Registered |
| Polyram .....              | 5.00 |      |                |
| Theoretical nitrogen ..... | 0.77 | 1.01 |                |

**Niagara Chemical Division—FMC Corp.**

Niagara Polyram 5 Sevin 5 Dust Fungicide-Insecticide

|                            |      |      |        |
|----------------------------|------|------|--------|
| Sevin .....                | 5.00 |      | Passed |
| Polyram .....              | 5.00 |      |        |
| Theoretical nitrogen ..... | 0.77 | 1.05 |        |

**SEVIN-ROTENONE****Sears, Roebuck and Co.**

Sears Vegetable Garden Dust

|                |      |       |                                   |
|----------------|------|-------|-----------------------------------|
| Sevin .....    | 7.00 | 11.51 | Excessive<br>Active<br>Ingredient |
| Rotenone ..... | 1.00 | 1.27  |                                   |

**SEVIN-ROTENONE-ZINEB****United Co-Operatives, Inc.**

Unico Rose and Floral Dust

|                            |      |         |        |
|----------------------------|------|---------|--------|
| Sevin .....                | 3.00 |         | Passed |
| Rotenone .....             | 1.00 | Present |        |
| Zineb .....                | 5.00 |         |        |
| Theoretical nitrogen ..... | 0.72 |         |        |
|                            |      | 1.06    |        |



| Manufacturers and Brands                                       | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--|------------------------|-------------------|-----------|
| Unico Rose and Floral Spray Powder                             |                        |                   |           |
| Sevin .....  | 12.50                  | Present           | Passed    |
| Rotenone .....   | 2.50                   |                   |           |
| Zineb .....  | 12.50                  |                   |           |
| Theoretical nitrogen .....                                     | 2.14                   |                   |           |
| SEVIN-SULFUR   |                        |                   |           |
| Dragon Chemical Corp.  |                        |                   |           |
| Blue Dragon Contains 2% Sevin                                  |                        |                   |           |
| Sevin .....  | 2.00                   | 2.16              | Passed    |
| Sulfur .....   | 10.00                  | 9.52              |           |
| Sevin .....  | 2.00                   | 2.11              | Passed    |
| Sulfur .....   | 10.00                  | 9.68              |           |
| E-Z-Flo Chemical Co.   |                        |                   |           |
| E-Z-Flo Sevin 5-Sulfur 85                                      |                        |                   |           |
| Sevin .....  | 5.00                   | 4.54              | Deficient |
| Sulfur .....   | 85.00                  | 85.69             |           |
| J. M. Harris and Company, Inc.<br>(Now: Dragon Chemical Corp.) |                        |                   |           |
| New! Blue Dragon Contains 2% Sevin                             |                        |                   |           |
| Sevin .....  | 2.00                   | 2.33              | Passed    |
| Sulfur .....   | 10.00                  | 10.45             |           |
| Planters Chemical Corp.  |                        |                   |           |
| Planters Special Bean Dust                                     |                        |                   |           |
| Sevin .....  | 5.00                   | 5.23              | Passed    |
| Sulfur .....   | 50.00                  | 49.60             |           |
| Sevin .....  | 5.00                   | 5.06              | Passed    |
| Sulfur .....   | 50.00                  | 51.10             |           |
| Ralston Purina Co.   |                        |                   |           |
| Purina Poultry Dusting Powder                                  |                        |                   |           |
| Sevin .....  | 5.00                   | 4.80              | Passed    |
| Sulfur .....   | 10.00                  | 11.10             |           |
| Southern Agricultural Insecticides, Inc.                       |                        |                   |           |
| SA-50 Brand Sevin 1.75% Dust with 60% Sulfur                   |                        |                   |           |
| Sevin .....  | 1.75                   | 2.16              | Passed    |
| Sulfur .....   | 60.00                  | 58.10             |           |

| Manufacturers and Brands  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| SEVIN-SULFUR-ZINEB  |                        |                   |                |
| Acme Quality Paints, Inc.<br>(Registered by The Sherwin-Williams Co.) |                        |                   |                |
| Acme Tomato Vegetable Dust  |                        |                   |                |
| Sevin .....   | 3.00                   |                   | Passed         |
| Sulfur .....  | 20.00                  | 21.83             |                |
| Zineb .....   | 5.20                   |                   |                |
| Theoretical nitrogen .....  | 0.74                   | 0.79              |                |
| Sevin .....   | 3.00                   |                   | Passed         |
| Sulfur .....  | 20.00                  | 20.65             |                |
| Zineb .....   | 5.20                   |                   |                |
| Theoretical nitrogen .....  | 0.74                   | 0.81              |                |
| The Borden Chemical Co.<br>Smith-Douglass Div.                        |                        |                   |                |
| Smith-Douglass Nutro Tomato Vegetable Dust                            |                        |                   |                |
| Sevin .....   | 3.00                   |                   | Passed         |
| Sulfur .....  | 20.00                  | 20.04             |                |
| Zineb .....   | 5.20                   |                   |                |
| Theoretical nitrogen .....  | 0.74                   | 0.59              |                |
| SODIUM CHLORATE   |                        |                   |                |
| Carolina Chemical Corp.   |                        |                   |                |
| Champion Dust Defolient No. 1   |                        |                   |                |
| Sodium chlorate .....   | 23.46                  | 23.41             | Not Registered |
| Hooker Chemical Corp.   |                        |                   |                |
| Hooker Sodium Chlorate Weed Killer                                    |                        |                   |                |
| Sodium chlorate .....   | 99.00                  | 91.97             | Deficient      |
| SODIUM CHLORATE-SODIUM METABORATE TETRAHYDRATE                        |                        |                   |                |
| United States Borax and Chemical Corp.                                |                        |                   |                |
| 20 Mule Team Monobor-Chlorate Granular                                |                        |                   |                |
| Sodium chlorate .....   | 30.00                  | 29.79             | Passed         |
| Sodium metaborate tetrahydrate .....                                  | 68.00                  | 68.66             |                |
| STRYCHNINE  |                        |                   |                |
| Carajon Chemical Company, Inc.  |                        |                   |                |
| Force's Ro-Dex  |                        |                   |                |
| Strychnine alkaloid .....   | 0.50                   | 0.57              | Passed         |
| do .....  | 0.50                   | 0.57              | Passed         |

| Manufacturers and Brands                                   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Force's Poison Peanuts</b>                              |                        |                   |                |
| Strychnine sulfate .....                                   | 0.50                   | 0.42              | Passed         |
| <b>O. E. Linck</b><br><b>Division of Walco-Linck Corp.</b> |                        |                   |                |
| <b>Tat Mo-Go</b>   |                        |                   |                |
| Strychnine sulfate .....                                   | 0.50                   | 0.51              | Passed         |
| do .....   | 0.50                   | 0.61              | Passed         |
| do .....   | 0.50                   | 0.71              | Passed         |
| <b>Nott Manufacturing Company, Inc.</b>                    |                        |                   |                |
| <b>Mouse-Nots</b>  |                        |                   |                |
| Strychnine sulfate .....                                   | 0.35                   | 0.31              | Passed         |
| <b>Kilmice</b>   |                        |                   |                |
| Strychnine sulfate .....                                   | 0.50                   | 0.54              | Passed         |
| <b>Pearson and Co.</b>                                     |                        |                   |                |
| <b>Pearson's Milo Maize Gopher Bait</b>                    |                        |                   |                |
| Strychnine alkaloid .....                                  | 0.30                   | 0.30              | Not Registered |
| <b>W. G. Reardon Laboratories, Inc.</b>                    |                        |                   |                |
| <b>Mouse Seed</b>  |                        |                   |                |
| Strychnine .....   | 0.40                   | 0.53              | Passed         |
| <b>W. R. Sweeney Manufacturer, Inc.</b>                    |                        |                   |                |
| <b>Sweeney's Poison Wheat</b>                              |                        |                   |                |
| Strychnine sulfate .....                                   | 0.20                   | 0.20              | Passed         |
| do .....   | 0.20                   | 0.32              | Passed         |
| <b>SULFUR</b>  |                        |                   |                |
| <b>Destruxol Corporation, Ltd.</b>                         |                        |                   |                |
| <b>Gopher Gasser</b>                                       |                        |                   |                |
| Sulfur .....   | 45.00                  | 43.88             | Passed         |
| <b>E-Z-Flo Chemical Co.</b>                                |                        |                   |                |
| <b>E-Z-Flo 93% Sulphur Dust</b>                            |                        |                   |                |
| Sulfur .....   | 93.00                  | 90.56             | Passed         |
| <b>E-Z-Flo Flotation Sulphur (Wettable)</b>                |                        |                   |                |
| Sulfur .....   | 94.00                  | 92.20             | Passed         |



| Manufacturers and Brands  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>Howerton Gowen Chemicals, Inc.</b>   |                        |                   |           |
| Gowen's Air Floated Sulphur Dust  |                        |                   |           |
| Sulfur .....  | 93.00                  | 92.85             | Passed    |
| <b>The Kendall Company—Bauer and Black Div.<br/>(Now: The Kendall Company—Health Care Div.)</b> |                        |                   |           |
| Curity Sulfur Fumes   |                        |                   |           |
| Sulfur .....  | 98.50                  | 99.85             | Passed    |
| <b>Standard Spray and Chemical Co.</b>  |                        |                   |           |
| Standard Dusting Sulphur  |                        |                   |           |
| Sulfur .....  | 93.00                  | 96.15             | Passed    |
| <b>Stauffer Chemical Co.</b>  |                        |                   |           |
| Stauffer Perfection Sulfur for Dusting  |                        |                   |           |
| Sulfur .....  | 93.00                  | 91.84             | Passed    |
| Stauffer Magnetic "95"  |                        |                   |           |
| Sulfur .....  | 95.00                  | 93.00             | Passed    |
| Owl Superfine Dusting Sulfur  |                        |                   |           |
| Sulfur .....  | 99.50                  | 98.92             | Passed    |
| <b>TENORAN</b>  |                        |                   |           |
| <b>Ciba Corp.</b>   |                        |                   |           |
| Tenoran 50 WP Herbicide   |                        |                   |           |
| Tenoran .....   | 50.00                  | 50.52             | Passed    |
| do .....  | 50.00                  | 52.07             | Passed    |
| <b>TERRACHLOR</b>   |                        |                   |           |
| <b>Olin Mathieson Chemical Corp.</b>  |                        |                   |           |
| Mathieson Terrachlor 40% Dust   |                        |                   |           |
| Terrachlor .....  | 40.00                  | 39.42             | Passed    |
| Mathieson Terrachlor 75% Wettable Powder Soil Fungicide   |                        |                   |           |
| Terrachlor .....  | 75.00                  | 73.98             | Passed    |

| Manufacturers and Brands                                  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>THALLIUM SULFATE</b>                                   |                        |                   |                |
| <b>James W. King Co.</b>                                  |                        |                   |                |
| King-Kong Tiny Roach Sweet Eating Ant and Mouse Destroyer |                        |                   |                |
| Thallium sulfate .....                                    | 1.25                   | 1.15              | Deficient      |
| <b>O. E. Linck<br/>Division Walco-Linck Corp.</b>         |                        |                   |                |
| Tat Mo-Go   |                        |                   |                |
| Thallium sulfate .....                                    | 1.00                   | 0.98              | Not Registered |
| <b>THIODAN</b>  |                        |                   |                |
| <b>E-Z-Flo Chemical Co.</b>                               |                        |                   |                |
| E-Z-Flo Thiodan 2 EC                                      |                        |                   |                |
| Thiodan .....   | 24.00                  | 24.28             | Passed         |
| <b>FCX, Inc.</b>  |                        |                   |                |
| FCX 4% Thiodan Dust                                       |                        |                   |                |
| Thiodan .....   | 4.00                   | 4.20              | Not Registered |
| <b>Southern Agricultural Insecticides, Inc.</b>           |                        |                   |                |
| SA-50 Brand Thiodan 4 Dust                                |                        |                   |                |
| Thiodan .....   | 4.00                   | 4.32              | Passed         |
| do .....  | 4.00                   | 4.05              | Passed         |
| <b>THIRAM</b>   |                        |                   |                |
| <b>Adkins-Phelps Co.</b>                                  |                        |                   |                |
| Protex A Plenty Stimusoy                                  |                        |                   |                |
| Thiram .....  | 25.00                  | 24.89             | Passed         |
| <b>Sudbury Laboratory, Inc.</b>                           |                        |                   |                |
| Chaperone Rabbit and Deer Repellent                       |                        |                   |                |
| Thiram .....  | 7.00                   | 7.59              | Passed         |
| <b>TOXAPHENE</b>  |                        |                   |                |
| <b>Apex Chemical Co.</b>                                  |                        |                   |                |
| Apex-Phene E 60   |                        |                   |                |
| Toxaphene .....   | 57.50                  | 58.59             | Passed         |
| do .....  | 57.50                  | 58.19             | Not Registered |

| Manufacturers and Brands                               | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Blue Chemical Company, Inc.</b>                     |                        |                   |                |
| Thor Brand 20% Toxaphene Dust                          |                        |                   |                |
| Toxaphene .....  | 20.00                  | 19.86             | Not Registered |
| <b>The Borden Chemical Co.<br/>Smith-Douglass Div.</b> |                        |                   |                |
| Smith-Douglass 20% Toxaphene Dust                      |                        |                   |                |
| Toxaphene .....  | 20.00                  | 19.56             | Passed         |
| do .....   | 20.00                  | 20.43             | Passed         |
| Smith-Douglass 6 lb. Toxaphene Emulsion Concentrate    |                        |                   |                |
| Toxaphene .....  | 60.00                  | 59.15             | Passed         |
| do .....   | 60.00                  | 59.60             | Passed         |
| <b>Cape Fear Chemicals, Inc.</b>                       |                        |                   |                |
| Tiger Brand 20% Toxaphene Dust                         |                        |                   |                |
| Toxaphene .....  | 20.00                  | 20.00             | Passed         |
| Tiger Brand Toxaphene Emulsion 60                      |                        |                   |                |
| Toxaphene .....  | 60.40                  | 57.70             | Passed         |
| <b>Carolina Chemical Corp.</b>                         |                        |                   |                |
| 20% Toxaphene Dust                                     |                        |                   |                |
| Toxaphene .....  | 20.00                  | 19.72             | Passed         |
| Toxaphene Emulsible Concentrate                        |                        |                   |                |
| Toxaphene .....  | 59.00                  | 56.65             | Passed         |
| <b>Carolina Chemicals, Inc.</b>                        |                        |                   |                |
| Flight Brand Toxaphene Dust 20-0                       |                        |                   |                |
| Toxaphene .....  | 20.00                  | 20.14             | Passed         |
| <b>Daly-Herring Co.</b>                                |                        |                   |                |
| D-H 10% Toxaphene Dust                                 |                        |                   |                |
| Toxaphene .....  | 10.00                  | 10.57             | Passed         |
| Dee Aitch 60% Toxaphene Emulsifiable Concentrate       |                        |                   |                |
| Toxaphene .....  | 61.20                  | 59.38             | Passed         |
| <b>E-Z-Flo Chemical Co.</b>                            |                        |                   |                |
| E-Z-Flo Toxaphene 20 Dust                              |                        |                   |                |
| Toxaphene .....  | 20.00                  | 19.72             | Passed         |



| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**FCX, Inc.****FCX 10% Toxaphene**

|                 |       |      |                |
|-----------------|-------|------|----------------|
| Toxaphene ..... | 10.00 | 9.86 | Not Registered |
|-----------------|-------|------|----------------|

**FCX 20-0 Toxaphene Dust**

|                 |       |       |        |
|-----------------|-------|-------|--------|
| Toxaphene ..... | 20.00 | 19.85 | Passed |
| do .....        | 20.00 | 19.86 | Passed |

**W. R. Grace and Co.  
Agricultural Products Div.****Maxwell 20% Toxaphene Dust**

|                 |       |       |        |
|-----------------|-------|-------|--------|
| Toxaphene ..... | 20.00 | 19.43 | Passed |
| do .....        | 20.00 | 19.86 | Passed |

**Maxwell Toxaphene Emulsion 60**

|                 |       |       |        |
|-----------------|-------|-------|--------|
| Toxaphene ..... | 60.40 | 59.63 | Passed |
| do .....        | 60.40 | 58.39 | Passed |

**Molony Fertilizer Co.  
(Now: Kerr-McGee Chemical Corp.)****Lightning Brand Toxaphene Emulsible Concentrate**

|                 |       |       |        |
|-----------------|-------|-------|--------|
| Toxaphene ..... | 60.00 | 59.82 | Passed |
|-----------------|-------|-------|--------|

**Olin Mathieson Chemical Corp.****Mathieson Toxaphene "20" Dust**

|                 |       |       |        |
|-----------------|-------|-------|--------|
| Toxaphene ..... | 20.00 | 20.00 | Passed |
|-----------------|-------|-------|--------|

**W. R. Peele Company, Inc.****Pelco Toxaphene 60-EC**

|                 |       |       |        |
|-----------------|-------|-------|--------|
| Toxaphene ..... | 57.50 | 59.43 | Passed |
|-----------------|-------|-------|--------|

**Planters 20% Toxaphene Dust**

|                 |       |       |        |
|-----------------|-------|-------|--------|
| Toxaphene ..... | 20.00 | 20.00 | Passed |
| do .....        | 20.00 | 19.72 | Passed |

**TOXAPHENE-DDT****The Borden Chemical Co.  
Smith-Douglass Div.****Smith-Douglass Toxaphene-DDT 4-2 Emulsion Concentrate**

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Toxaphene .....            | 40.00 |       | Passed |
| DDT .....                  | 20.00 |       |        |
| Theoretical chlorine ..... | 36.80 | 36.79 |        |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|----------------------------|------------------------|-------------------|-----------|
| Toxaphene .....            | 40.00                  |                   | Passed    |
| DDT .....                  | 20.00                  |                   |           |
| Theoretical chlorine ..... | 36.80                  | 36.35             |           |

**Cape Fear Chemicals, Inc.****Tiger Brand DDT-Toxaphene 2-4 Emulsifiable**

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Toxaphene .....            | 39.50 |       | Passed |
| DDT .....                  | 19.70 |       |        |
| Theoretical chlorine ..... | 36.32 | 36.06 |        |
| Toxaphene .....            | 39.50 |       | Passed |
| DDT .....                  | 19.70 |       |        |
| Theoretical chlorine ..... | 36.32 | 34.84 |        |
| Toxaphene .....            | 39.50 |       | Passed |
| DDT .....                  | 19.70 |       |        |
| Theoretical chlorine ..... | 36.32 | 35.57 |        |

**Carolina Chemical Corp.****Cotton Special**

|                            |       |       |           |
|----------------------------|-------|-------|-----------|
| Toxaphene .....            | 40.00 |       | Deficient |
| DDT .....                  | 23.00 |       |           |
| Theoretical chlorine ..... | 38.30 | 35.12 |           |
| Toxaphene .....            | 40.00 |       | Deficient |
| DDT .....                  | 23.00 |       |           |
| Theoretical chlorine ..... | 38.30 | 35.13 |           |

**Coastal Chemical Corp.****14% Toxaphene 7% DDT**

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Toxaphene .....            | 14.00 |       | Passed |
| DDT .....                  | 7.00  |       |        |
| Theoretical chlorine ..... | 12.88 | 12.97 |        |

**40% Toxaphene-20% DDT Emulsifiable Concentrate**

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Toxaphene .....            | 40.00 |       | Passed |
| DDT .....                  | 20.00 |       |        |
| Theoretical chlorine ..... | 36.80 | 35.58 |        |

**Daly-Herring Co.****Dee Aitch 14% Toxaphene 7% DDT**

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Toxaphene .....            | 14.00 |       | Passed |
| DDT .....                  | 7.00  |       |        |
| Theoretical chlorine ..... | 12.88 | 12.51 |        |
| Toxaphene .....            | 14.00 |       | Passed |
| DDT .....                  | 7.00  |       |        |
| Theoretical chlorine ..... | 12.88 | 12.70 |        |

| Manufacturers and Brands  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| Dee Aitch 40% Toxaphene 20% DDT Emulsifiable Concentrate        |                        |                   |           |
| Toxaphene .....   | 40.00                  |                   | Passed    |
| DDT .....   | 20.00                  |                   |           |
| Theoretical chlorine .....                                      | 36.80                  | 35.64             |           |
| <b>E-Z-Flo Chemical Co.</b>                                     |                        |                   |           |
| E-Z-Flo Toxaphene-DDT 4-2 Emulsive                              |                        |                   |           |
| Toxaphene .....   | 40.00                  |                   | Passed    |
| DDT .....   | 20.00                  |                   |           |
| Theoretical chlorine .....                                      | 36.80                  | 35.99             |           |
| <b>Farmers Cooperative Exchange, Inc.</b><br>(Now: FCX, Inc.)   |                        |                   |           |
| FCX "42" Cotton Spray   |                        |                   |           |
| Toxaphene .....   | 38.70                  |                   | Passed    |
| DDT .....   | 19.30                  |                   |           |
| Theoretical chlorine .....                                      | 35.58                  | 34.79             |           |
| <b>FCX, Inc.</b>  |                        |                   |           |
| FCX 14-7 Dust (Toxaphene-DDT)                                   |                        |                   |           |
| Toxaphene .....   | 14.00                  |                   | Passed    |
| DDT .....   | 7.00                   |                   |           |
| Theoretical chlorine .....                                      | 12.88                  | 12.61             |           |
| FCX "42" Spray  |                        |                   |           |
| Toxaphene .....   | 38.70                  |                   | Passed    |
| DDT .....   | 19.30                  |                   |           |
| Theoretical chlorine .....                                      | 35.58                  | 35.10             |           |
| <b>W. R. Grace and Co.</b><br><b>Agricultural Products Div.</b> |                        |                   |           |
| Maxwell Toxaphene-DDT Emulsion 4-2                              |                        |                   |           |
| Toxaphene .....   | 39.14                  |                   | Passed    |
| DDT .....   | 19.57                  |                   |           |
| Theoretical chlorine .....                                      | 35.01                  | 35.74             |           |
| Toxaphene .....   | 40.00                  |                   | Passed    |
| DDT .....   | 20.00                  |                   |           |
| Theoretical chlorine .....                                      | 36.80                  | 36.53             |           |
| <b>GurMiCo Chemicals, Inc.</b>                                  |                        |                   |           |
| GurMiCo DDT 7 Toxaphene 14 Dust                                 |                        |                   |           |
| Toxaphene .....   | 14.00                  |                   | Deficient |
| DDT .....   | 7.00                   |                   |           |
| Theoretical chlorine .....                                      | 12.88                  | 11.78             |           |



| Manufacturers and Brands                                     | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>GurMiCo Toxaphene 4 DDT 2 Emulsion</b>                    |                        |                   |                |
| Toxaphene .....  | 38.00                  |                   | Passed         |
| DDT .....  | 19.00                  |                   |                |
| Theoretical chlorine .....                                   | 34.96                  | 35.89             |                |
| <b>W. R. Peele Company, Inc.</b>                             |                        |                   |                |
| <b>Pelco Toxaphene-DDT Emulsion Concentrate</b>              |                        |                   |                |
| Toxaphene .....  | 40.00                  |                   | Passed         |
| DDT .....  | 20.00                  |                   |                |
| Theoretical chlorine .....                                   | 36.80                  | 36.19             |                |
| Toxaphene .....  | 40.00                  |                   | Passed         |
| DDT .....  | 20.00                  |                   |                |
| Theoretical chlorine .....                                   | 36.80                  | 35.66             |                |
| <b>Planters Chemical Corp.</b>                               |                        |                   |                |
| <b>Planters Toxaphene-DDT Cotton Dust</b>                    |                        |                   |                |
| Toxaphene .....  | 14.00                  |                   | Not Registered |
| DDT .....  | 7.00                   |                   |                |
| Theoretical chlorine .....                                   | 12.88                  | 12.33             |                |
| <b>Planters Toxaphene DDT Emulsion Concentrate</b>           |                        |                   |                |
| Toxaphene .....  | 40.00                  |                   | Passed         |
| DDT .....  | 20.00                  |                   |                |
| Theoretical chlorine .....                                   | 36.80                  | 36.31             |                |
| <b>Royster Chemical Co.</b>                                  |                        |                   |                |
| <b>Royster Chem-Pest Cotton "71" Dust</b>                    |                        |                   |                |
| Toxaphene .....  | 14.00                  |                   | Passed         |
| DDT .....  | 7.00                   |                   |                |
| Theoretical chlorine .....                                   | 12.88                  | 12.79             |                |
| <b>Royster Chem-Pest Cotton "204" Spray DDT-Toxaphene</b>    |                        |                   |                |
| Toxaphene .....  | 39.40                  |                   | Passed         |
| DDT .....  | 19.50                  |                   |                |
| Theoretical chlorine .....                                   | 36.15                  | 34.54             |                |
| Toxaphene .....  | 39.40                  |                   | Passed         |
| DDT .....  | 19.50                  |                   |                |
| Theoretical chlorine .....                                   | 36.15                  | 34.78             |                |
| <b>Smith-Douglass Company, Inc.</b>                          |                        |                   |                |
| <b>(Now: The Borden Chemical Co.—Smith-Douglass Div.)</b>    |                        |                   |                |
| <b>Smith-Douglass Toxaphene-DDT 4-2 Emulsion Concentrate</b> |                        |                   |                |
| Toxaphene .....  | 40.00                  |                   | Passed         |
| DDT .....  | 20.00                  |                   |                |
| Theoretical chlorine .....                                   | 36.80                  | 36.45             |                |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**Swift and Co.**  
**Agricultural Chemical Div.**

Swift's Gold Bear Toxaphene-DDT VD42E

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Toxaphene .....            | 38.70 |       | Passed |
| DDT .....                  | 19.40 |       |        |
| Theoretical chlorine ..... | 35.63 | 34.96 |        |

**TOXAPHENE-DDT-METHYL PARATHION**

**Blue Chemical Company, Inc.**

Thor Brand 14-7-1 Tox-DDT-MP Dust

|                            |       |       |                |
|----------------------------|-------|-------|----------------|
| Toxaphene .....            | 14.00 |       | Deficient      |
| DDT .....                  | 7.00  |       | Not Registered |
| Methyl parathion .....     | 1.00  | 0.04  |                |
| Theoretical chlorine ..... | 12.88 | 12.61 |                |

**The Borden Chemical Co.**  
**Smith-Douglass Div.**

Smith-Douglass Special Cotton Spray

|                            |       |       |           |
|----------------------------|-------|-------|-----------|
| Toxaphene .....            | 38.88 |       | Deficient |
| DDT .....                  | 19.45 |       |           |
| Methyl parathion .....     | 6.08  | 4.14  |           |
| Theoretical chlorine ..... | 35.78 | 35.26 |           |

**Carolina Chemical Corp.**

Champion Big Killer

|                            |       |       |                |
|----------------------------|-------|-------|----------------|
| Toxaphene .....            | 14.00 |       | Not Registered |
| DDT .....                  | 7.00  |       |                |
| Methyl parathion .....     | 1.00  | 1.02  |                |
| Theoretical chlorine ..... | 12.88 | 12.42 |                |

Champion 4-2-5 Super Cotton King

|                            |       |       |                |
|----------------------------|-------|-------|----------------|
| Toxaphene .....            | 40.00 |       | Deficient      |
| DDT .....                  | 20.00 |       | Not Registered |
| Methyl parathion .....     | 5.00  | 4.04  |                |
| Theoretical chlorine ..... | 36.80 | 34.18 |                |

**Carolina Chemicals, Inc.**

Flight Brand Methyl Parathion-Toxaphene-DDT Dust 2-14-7

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Toxaphene .....            | 14.00 |       | Passed |
| DDT .....                  | 7.00  |       |        |
| Methyl parathion .....     | 2.00  | 1.97  |        |
| Theoretical chlorine ..... | 12.88 | 12.79 |        |

| Manufacturers and Brands                                      | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>Farmers Cooperative Exchange, Inc.</b><br>(Now: FCX, Inc.) |                        |                   |           |
| FCX "421" Cotton Spray  |                        |                   |           |
| Toxaphene .....   | 37.30                  |                   | Passed    |
| DDT .....   | 18.70                  |                   |           |
| Methyl parathion .....  | 9.40                   | 9.21              |           |
| Theoretical chlorine .....                                    | 34.34                  | 35.50             |           |
| <b>FCX, Inc.</b>  |                        |                   |           |
| FCX "421" Cotton Spray  |                        |                   |           |
| Toxaphene .....   | 37.30                  |                   | Passed    |
| DDT .....   | 18.70                  |                   |           |
| Methyl parathion .....  | 9.30                   | 8.84              |           |
| Theoretical chlorine .....                                    | 34.34                  | 34.40             |           |
| <b>W. R. Peele Company, Inc.</b>                              |                        |                   |           |
| Pelco 2-4-5 Super Cotton Spray                                |                        |                   |           |
| Toxaphene .....   | 40.00                  |                   | Passed    |
| DDT .....   | 20.00                  |                   |           |
| Methyl parathion .....  | 5.00                   | 4.78              |           |
| Theoretical chlorine .....                                    | 36.80                  | 36.04             |           |
| Toxaphene .....   | 40.00                  |                   | Passed    |
| DDT .....   | 20.00                  |                   |           |
| Methyl parathion .....  | 5.00                   | 4.75              |           |
| Theoretical chlorine .....                                    | 36.80                  | 36.50             |           |
| <b>Planters Chemical Corp.</b>                                |                        |                   |           |
| Planters Special Cotton Dust                                  |                        |                   |           |
| Toxaphene .....   | 14.00                  |                   | Deficient |
| DDT .....   | 7.00                   |                   |           |
| Methyl parathion .....  | 1.00                   | 0.81              |           |
| Theoretical chlorine .....                                    | 12.88                  | 12.70             |           |
| Planters Toxaphene-DDT-Methyl Parathion Cotton Dust           |                        |                   |           |
| Toxaphene .....   | 14.00                  |                   | Deficient |
| DDT .....   | 7.00                   |                   |           |
| Methyl parathion .....  | 2.00                   | 1.71              |           |
| Theoretical chlorine .....                                    | 12.88                  | 12.53             |           |
| Planters Special Cotton Spray                                 |                        |                   |           |
| Toxaphene .....   | 38.88                  |                   | Deficient |
| DDT .....   | 19.45                  |                   |           |
| Methyl parathion .....  | 4.85                   | 4.18              |           |
| Theoretical chlorine .....                                    | 35.78                  | 34.24             |           |



| Manufacturers and Brands    | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                   |
|-----------------------------|------------------------|-------------------|-----------------------------|
| <b>Royster Chemical Co.</b> |                        |                   |                             |
| Royster Chem-Pest "71410"   |                        |                   |                             |
| Toxaphene .....             | 14.00                  |                   | Deficient<br>Not Registered |
| DDT .....                   | 7.00                   |                   |                             |
| Methyl parathion .....      | 1.00                   | 0.78              |                             |
| Theoretical chlorine .....  | 12.88                  | 12.88             |                             |

**Southern Agricultural Chemicals, Inc.**

Triple Kill Cotton Spray 4-2-5

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Toxaphene .....            | 37.70 |       | Passed |
| DDT .....                  | 18.80 |       |        |
| Methyl parathion .....     | 4.20  | 5.46  |        |
| Theoretical chlorine ..... | 34.66 | 35.34 |        |

**TOXAPHENE-DDT-PARATHION****Coastal Chemical Corp.**

Coastal 14% Toxaphene-7% DDT-1% Parathion

|                            |       |       |                |
|----------------------------|-------|-------|----------------|
| Toxaphene .....            | 14.00 |       | Not Registered |
| DDT .....                  | 7.00  |       |                |
| Parathion .....            | 1.00  | 0.99  |                |
| Theoretical chlorine ..... | 12.88 | 13.07 |                |

**Daly-Herring Co.**

Dee Aitch 14% Toxaphene 7% DDT 1% Parathion Dust

|                            |       |       |        |
|----------------------------|-------|-------|--------|
| Toxaphene .....            | 14.00 |       | Passed |
| DDT .....                  | 7.00  |       |        |
| Parathion .....            | 1.00  | 1.07  |        |
| Theoretical chlorine ..... | 12.88 | 12.42 |        |

**TOXAPHENE-MALATHION****Starbar, Inc.**

Division of Thuron Industries, Inc.

(Now: Thuron Industries, Inc.)

Starbar Lintox-M Livestock Spray and Dip Backrubber Concentrate

|                 |       |       |        |
|-----------------|-------|-------|--------|
| Toxaphene ..... | 43.00 | 43.45 | Passed |
| Malathion ..... | 4.30  | 4.32  |        |

**TOXAPHENE-PARATHION****Daly-Herring Co.**

D-H 20% Toxaphene-2% Parathion Dust

|                 |       |       |                |
|-----------------|-------|-------|----------------|
| Toxaphene ..... | 20.00 | 19.72 | Not Registered |
| Parathion ..... | 2.00  | 2.06  |                |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|--------------------------|------------------------|-------------------|-----------|
|--------------------------|------------------------|-------------------|-----------|

**W. R. Grace and Co.  
Agricultural Products Div.**

**Maxwell Toxaphene Parathion Dust 20-2**

|                 |       |       |        |
|-----------------|-------|-------|--------|
| Toxaphene ..... | 20.00 | 19.86 | Passed |
| Parathion ..... | 2.00  | 1.91  |        |

**Planters Chemical Corp.**

**Planters Toxaphene-Parathion Dust**

|                 |       |       |                |
|-----------------|-------|-------|----------------|
| Toxaphene ..... | 20.00 | 19.57 | Not Registered |
| Parathion ..... | 2.00  | 2.07  |                |

**Southern Agricultural Insecticides, Inc.**

**SA-50 Brand Pre Heading Cabbage Dust with  
Toxaphene and Parathion**

|                 |       |       |        |
|-----------------|-------|-------|--------|
| Toxaphene ..... | 10.00 | 10.21 | Passed |
| Parathion ..... | 1.50  | 1.65  |        |
| Toxaphene ..... | 10.00 | 10.00 | Passed |
| Parathion ..... | 1.50  | 1.65  |        |
| Toxaphene ..... | 10.00 | 10.22 | Passed |
| Parathion ..... | 1.50  | 1.61  |        |
| Toxaphene ..... | 10.00 | 10.64 | Passed |
| Parathion ..... | 1.50  | 1.54  |        |

**SA-50 Brand Pre-Head Dust 2-20**

|                 |       |       |           |
|-----------------|-------|-------|-----------|
| Toxaphene ..... | 20.00 | 19.86 | Passed    |
| Parathion ..... | 2.00  | 2.13  |           |
| Toxaphene ..... | 20.00 | 19.57 | Deficient |
| Parathion ..... | 2.00  | 1.80  |           |

**TOXAPHENE-PARATHION-ZINEB**

**Daly-Herring Co.**

**D-H 20% Toxaphene-2% Parathion Dust-3.9% Zineb**

|                 |       |       |                |
|-----------------|-------|-------|----------------|
| Toxaphene ..... | 20.00 | 18.28 | Deficient      |
| Parathion ..... | 2.00  | 2.00  | Not Registered |
| Zineb .....     | 3.90  | 3.40  |                |

**TOXAPHENE-ZINEB**

**Planters Chemical Corp.**

**Planters Toxaphene-Zineb Dust**

|                 |       |      |                |
|-----------------|-------|------|----------------|
| Toxaphene ..... | 10.00 | 9.72 | Deficient      |
| Zineb .....     | 3.90  | 0.59 | Not Registered |

| Manufacturers and Brands | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--------------------------|------------------------|-------------------|----------------|
| Toxaphene .....          | 10.00                  | 10.57             | Deficient      |
| Zineb .....              | 3.90                   | 3.05              | Not Registered |

**TRITHION**

Standard Spray and Supply Co.  
(Now: Standard Spray and Chemical Co.)

Standard Brand Trithion 2 Dust

|                |      |      |                |
|----------------|------|------|----------------|
| Trithion ..... | 2.00 | 2.20 | Not Registered |
|----------------|------|------|----------------|

Stauffer Chemical Co.

Stauffer Trithion 4E-Emulsifiable Liquid

|                |       |       |        |
|----------------|-------|-------|--------|
| Trithion ..... | 45.80 | 46.06 | Passed |
|----------------|-------|-------|--------|

**VERNAM**

Stauffer Chemical Co.

Stauffer Vernam 6E

|              |       |       |        |
|--------------|-------|-------|--------|
| Vernam ..... | 75.90 | 78.03 | Passed |
| do .....     | 75.90 | 77.31 | Passed |

**WARFARIN**

Allied Mills, Inc.

Wayne Rat and Mouse Killer

|                |       |       |        |
|----------------|-------|-------|--------|
| Warfarin ..... | 0.025 | 0.030 | Passed |
| do .....       | 0.025 | 0.030 | Passed |

Black Leaf Products Co.

Warf with Prolin

|                |       |       |        |
|----------------|-------|-------|--------|
| Warfarin ..... | 0.025 | 0.024 | Passed |
| do .....       | 0.025 | 0.026 | Passed |
| do .....       | 0.025 | 0.025 | Passed |

Boyle-Midway Inc.

Black Flag Rat and Mouse Killer with Prolin

|                |       |       |        |
|----------------|-------|-------|--------|
| Warfarin ..... | 0.025 | 0.036 | Passed |
| do .....       | 0.025 | 0.026 | Passed |

California Chemical Company—Ortho Div.  
(Now: Chevron Chemical Company—Ortho Div.)

Ortho Pelleted Rat and Mice Bait

|                |       |       |        |
|----------------|-------|-------|--------|
| Warfarin ..... | 0.025 | 0.024 | Passed |
|----------------|-------|-------|--------|



| Manufacturers and Brands                         | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Carolina Garden and Farm Service, Inc.</b>    |                        |                   |                |
| Carolina's Rat Bait                              |                        |                   |                |
| Warfarin .....                                   | 0.025                  | 0.022             | Passed         |
| do .....   | 0.025                  | 0.029             | Passed         |
| <b>Colonial Products, Inc.</b>                   |                        |                   |                |
| Colonial 42 Prolin Throw-Pac                     |                        |                   |                |
| Warfarin .....                                   | 0.025                  | 0.028             | Passed         |
| <b>The d-Con Company, Inc.</b>                   |                        |                   |                |
| d-Con Mouse-Prufe                                |                        |                   |                |
| Sodium salt of warfarin .....                    | 0.054                  | 0.054             | Passed         |
| do .....   | 0.054                  | 0.050             | Passed         |
| d-Con Concentrate Kills Rats and Mice            |                        |                   |                |
| Warfarin .....                                   | 0.30                   | 0.38              | Passed         |
| do .....   | 0.30                   | 0.29              | Passed         |
| do .....   | 0.30                   | 0.35              | Passed         |
| <b>Dixi Chemical Co.</b>                         |                        |                   |                |
| (Now: Dixi-Chem of Greenville, Inc.)             |                        |                   |                |
| New Bannerin-58 Rat Bait                         |                        |                   |                |
| Warfarin .....                                   | 0.025                  | 0.024             | Not Registered |
| <b>Douglas Chemical Co.</b>                      |                        |                   |                |
| Douglas Prolin Rat and Mouse Killer              |                        |                   |                |
| Warfarin .....                                   | 0.025                  | 0.044             | Passed         |
| <b>Dun Win Company and Gould's Dell Products</b> |                        |                   |                |
| Flavorized Rat Kakes                             |                        |                   |                |
| Warfarin .....                                   | 0.025                  | 0.024             | Passed         |
| do .....   | 0.025                  | 0.028             | Passed         |
| <b>GurMiCo Chemicals, Inc.</b>                   |                        |                   |                |
| GurMiCo Rat Kill Warfarin                        |                        |                   |                |
| Warfarin .....                                   | 0.025                  | 0.029             | Passed         |

| Manufacturers and Brands                     | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Hess and Clark</b>                        |                        |                   |                |
| <b>Division of Richardson-Merrell Inc.</b>   |                        |                   |                |
| Hess and Clark Warfarat Crumbles             |                        |                   |                |
| Warfarin .....                               | 0.025                  | 0.025             | Passed         |
| do .....                                     | 0.025                  | 0.020             | Passed         |
| Hess and Clark Warfarat Pellets              |                        |                   |                |
| Warfarin .....                               | 0.025                  | 0.029             | Not Registered |
| New Hess and Clark Warfarat with Prolin      |                        |                   |                |
| Warfarin .....                               | 0.025                  | 0.024             | Passed         |
| Warfarat Kills Rats and Mice                 |                        |                   |                |
| Warfarin .....                               | 0.025                  | 0.026             | Passed         |
| <b>Hopkins Agricultural Chemical Co.</b>     |                        |                   |                |
| Hopkins Prolin Redi-Mix Rat and Mouse Killer |                        |                   |                |
| Warfarin .....                               | 0.025                  | 0.036             | Passed         |
| <b>Industrial Fumigant Co.</b>               |                        |                   |                |
| Infuco Warfarin Rat and Mouse Killer         |                        |                   |                |
| Warfarin .....                               | 0.025                  | 0.028             | Passed         |
| <b>S. C. Johnson and Son, Inc.</b>           |                        |                   |                |
| Raid Mouse Killer                            |                        |                   |                |
| Warfarin .....                               | 0.025                  | 0.030             | Passed         |
| do .....                                     | 0.025                  | 0.029             | Passed         |
| do .....                                     | 0.025                  | 0.028             | Passed         |
| <b>Dr. LeGear, Inc.</b>                      |                        |                   |                |
| <b>(Now: LeGear Laboratories, Inc.)</b>      |                        |                   |                |
| LeGear Prolin Bait 'N' Bags                  |                        |                   |                |
| Warfarin .....                               | 0.025                  | 0.030             | Passed         |
| LeGear Prolin Mouse Bait                     |                        |                   |                |
| Warfarin .....                               | 0.025                  | 0.025             | Passed         |
| LeGear Warfarin Rat and Mouse Bait           |                        |                   |                |
| Warfarin .....                               | 0.025                  | 0.027             | Not Registered |

| Manufacturers and Brands                                  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                      |
|---|------------------------|-------------------|--------------------------------|
| <b>Master Products Co.</b>                                |                        |                   |                                |
| New Improved Rat Buster                                   |                        |                   |                                |
| Warfarin .....  | 0.025                  | 0.030             | Passed                         |
| Rat Buster  |                        |                   |                                |
| Warfarin .....  | 0.025                  | 0.029             | Passed                         |
| Rat Control   |                        |                   |                                |
| Warfarin .....  | 0.025                  | 0.024             | Not Registered                 |
| <b>Rexall Drug and Chemical Co.</b>                       |                        |                   |                                |
| Rexall Prolin Mouse Killer                                |                        |                   |                                |
| Warfarin .....  | 0.025                  | 0.027             | Not Registered                 |
| <b>Seacoast Laboratories, Inc.</b>                        |                        |                   |                                |
| Twin Light Rat-Bait                                       |                        |                   |                                |
| Warfarin .....  | 0.025                  | 0.025             | Passed                         |
| <b>Thompson Chemicals Corp.</b>                           |                        |                   |                                |
| Rat Fix Prolin  |                        |                   |                                |
| Warfarin .....  | 0.025                  | 0.56              | Excessive<br>Active Ingredient |
| <b>ZINEB</b>  |                        |                   |                                |
| <b>Carolina Chemical Corp.</b>                            |                        |                   |                                |
| Champion 10% Dithane Z78 Dust                             |                        |                   |                                |
| Zineb .....   | 6.50                   | 7.08              | Passed                         |
| do .....  | 6.50                   | 6.31              | Passed                         |
| <b>FCX, Inc.</b>  |                        |                   |                                |
| FCX 6.5% Zineb Dust                                       |                        |                   |                                |
| Zineb .....   | 6.50                   | 6.62              | Passed                         |
| <b>W. R. Grace and Co.<br/>Agricultural Products Div.</b> |                        |                   |                                |
| Maxwell 10% Dithane Dust                                  |                        |                   |                                |
| Zineb .....   | 6.50                   | 4.79              | Deficient                      |
| do .....  | 6.50                   | 6.21              | Passed                         |



| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|--|------------------------|-------------------|----------------|
| <b>Niagara Chemical Division—FMC Corp.</b>   |                        |                   |                |
| <b>Niagara Zineb 6.5 Dust</b>  |                        |                   |                |
| Zineb .....  | 6.50                   | 2.74              | Deficient      |
| <b>Planters Chemical Corp.</b>   |                        |                   |                |
| <b>Planters Zineb Dust</b>   |                        |                   |                |
| Zineb .....  | 6.50                   | 0.72              | Deficient      |
| do .....   | 6.50                   | 1.29              | Deficient      |
| do .....   | 6.50                   | 1.53              | Deficient      |
| <b>Royster Chemical Co.</b>  |                        |                   |                |
| <b>Royster Chem-Pest "65" 6.5% Parzate (Zineb)</b>   |                        |                   |                |
| Zineb .....  | 6.50                   | 5.56              | Deficient      |
| <b>Smith-Douglass Company, Inc.<br/>(Now: The Borden Chemical Co.—Smith-Douglass Div.)</b> |                        |                   |                |
| <b>Smith-Douglass 6½% Zineb Dust</b>   |                        |                   |                |
| Zineb .....  | 6.50                   | 5.80              | Deficient      |
| <b>ZINEB-SULFUR</b>  |                        |                   |                |
| <b>Dawson Chemical Co.</b>   |                        |                   |                |
| <b>Sperlox-SZ</b>  |                        |                   |                |
| Zineb .....  | 8.00                   | 7.88              | Deficient      |
| Sulfur .....   | 40.00                  | 24.29             |                |
| <b>MISCELLANEOUS INORGANIC</b>   |                        |                   |                |
| <b>Judd Ringer Corp.</b>   |                        |                   |                |
| <b>Killer Kane Kartridges for Crabgrass</b>  |                        |                   |                |
| Potassium cyanate .....  | 35.00                  | 39.39             | Not Registered |
| <b>Pearson and Co.</b>   |                        |                   |                |
| <b>Pearson's Rat Poison</b>  |                        |                   |                |
| Zinc phosphide .....   | 2.00                   | 2.11              | Passed         |
| <b>MISCELLANEOUS ORGANIC</b>   |                        |                   |                |
| <b>Amchem Products, Inc.</b>   |                        |                   |                |
| <b>Amchem Vegiben Pre-emergence Weed Killer for Vegetable Crops</b>                        |                        |                   |                |
| Ammonium salt of amiben .....  | 23.40                  | 23.37             | Not Registered |

| Manufacturers and Brands  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions |
|---|------------------------|-------------------|-----------|
| <b>American Cyanamid Co.</b>  |                        |                   |           |
| <b>Agricultural Div.</b>  |                        |                   |           |
| Cygon 2-E Insecticide   |                        |                   |           |
| Dimethoate .....  | 23.40                  | 25.06             | Passed    |
| <b>Chemagro Corp.</b>   |                        |                   |           |
| Di-Syston 10% Granular Systemic Insecticide                         |                        |                   |           |
| Di-syston .....   | 10.00                  | 11.33             | Passed    |
| Guthion 25% Wettable Powder Crop Insecticide                        |                        |                   |           |
| Guthion .....   | 25.00                  | 27.95             | Passed    |
| <b>Chester Chemical Corp.</b>                                       |                        |                   |           |
| Digas Stop Mildew and Musty Odors                                   |                        |                   |           |
| Paraformaldehyde .....  | 95.00                  | 94.12             | Passed    |
| <b>Colgate-Palmolive Co.</b>  |                        |                   |           |
| Florient Disinfectant Spray   |                        |                   |           |
| N-alkyl dimethyl benzylammonium<br>chlorides .....                  | 0.072                  |                   | Passed    |
| N-alkyl dimethyl ethylbenzylammonium<br>chlorides .....             | 0.072                  |                   |           |
| Theoretical chlorine .....  | 0.013                  | 0.017             |           |
| <b>The Dow Chemical Co.</b>   |                        |                   |           |
| Dow Premerge Dinitro Weed Killer                                    |                        |                   |           |
| Alkanolamine salts of dinitro-o-sec-<br>butylphenol .....           | 51.00                  | 45.29             | Deficient |
| Dow Telone  |                        |                   |           |
| 1, 3-dichloro propene and related<br>chlorinated hydrocarbons ..... | 100.00                 |                   | Passed    |
| Chlorine .....  | 55.00                  | 56.38             |           |
| <b>E. I. du Pont de Nemours and Co.</b>                             |                        |                   |           |
| DuPont Dybar Fenuron Weed and Brush Killer                          |                        |                   |           |
| Fenuron .....   | 25.00                  | 25.30             | Passed    |
| DuPont Lorax Linuron Weed Killer                                    |                        |                   |           |
| Linuron .....   | 50.00                  | 50.13             | Passed    |

| Manufacturers and Brands   | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions                      |
|--|------------------------|-------------------|--------------------------------|
| <b>Elanco Products Co.</b><br><b>A Division of Eli Lilly and Co.</b>   |                        |                   |                                |
| Elanco Balan Liquid Concentrate  |                        |                   |                                |
| Balan .....  | 19.40                  | 19.85             | Passed                         |
| <b>FCX, Inc.</b>   |                        |                   |                                |
| FCX D-D  |                        |                   |                                |
| Chlorinated C <sup>3</sup> hydrocarbons .....                          | 100.00                 |                   | Passed                         |
| Chlorine .....   | 55.00                  | 55.56             |                                |
| <b>Geigy Agricultural Chemicals</b>                                    |                        |                   |                                |
| Geigy Chlorobenzilate 4E Miticide                                      |                        |                   |                                |
| Chlorobenzilate .....  | 45.50                  | 46.22             | Passed                         |
| <b>Hydroponic Chemical Company, Inc.</b>                               |                        |                   |                                |
| No-Neb'l Rabbit Repellent  |                        |                   |                                |
| Zinc dimethyldithiocarbamate<br>cyclohexylamine complex .....          | 23.00                  | 22.46             | Passed                         |
| <b>Dr. LeGear, Inc.</b><br><b>(Now: LeGear Laboratories, Inc.)</b>     |                        |                   |                                |
| Dr. LeGear Germozone   |                        |                   |                                |
| Methyl dodecyl benzyl trimethyl<br>ammonium chloride .....             | 4.40                   |                   | Not Registered                 |
| Methyl dodecyl xylene bis trimethyl<br>ammonium chloride .....         | 1.10                   |                   |                                |
| Theoretical chlorine .....   | 0.59                   | 0.60              |                                |
| <b>Pennsalt Chemicals Corps.</b><br><b>Agricultural Chemicals Div.</b> |                        |                   |                                |
| Pennsalt Penphene Soil Fumigant  |                        |                   |                                |
| Tetrachlorothiophene .....   | 43.40                  | 42.61             | Passed                         |
| <b>Pittsburg Plate Glass Company—Chemical Div.</b>                     |                        |                   |                                |
| P.P.G. Chloro IPC Emulsifiable Concentrate                             |                        |                   |                                |
| Isopropyl N (3-chlorophenyl) carbamate ..                              | 47.00                  | 48.23             | Passed                         |
| <b>Planters Chemical Corp.</b>   |                        |                   |                                |
| Planters Folex Emulsifiable Concentrate                                |                        |                   |                                |
| Folex .....  | 75.00                  | 88.01             | Excessive<br>Active Ingredient |



| Manufacturers and Brands  | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>Science Products Company, Inc.</b>   |                        |                   |                |
| Science Fore Lawn Fungicide   |                        |                   |                |
| A co-ordination product of zinc ion and<br>manganese ethylene bisdithiocarbamate        | 80.00                  | 76.31             | Not Registered |
| <b>Sears, Roebuck and Co.</b>   |                        |                   |                |
| Sears Grass and Weed Killer   |                        |                   |                |
| Erbon .....   | 5.80                   | 3.19              | Deficient      |
| <b>Shell Chemical Co.<br/>Division of Shell Oil Co.<br/>Agricultural Chemicals Div.</b> |                        |                   |                |
| Planavin 75 Herbicide   |                        |                   |                |
| 4 (methylsulfonyl) 2, 6-dinitro-N,<br>N-dipropylaniline .....                           | 75.00                  | 74.58             | Passed         |
| <b>Stauffer Chemical Co.</b>  |                        |                   |                |
| Stauffer Tillam 6-E Emulsifiable Liquid   |                        |                   |                |
| Tillam .....  | 76.00                  | 77.54             | Passed         |
| <b>Swift and Co.<br/>Agricultural Chemical Div.</b>                                     |                        |                   |                |
| Vigoro Snail and Slug Killer Pellets  |                        |                   |                |
| Metaldehyde .....   | 2.75                   | 2.81              | Not Registered |
| <b>Tavolek Laboratories<br/>Division of Johnson and Johnson</b>                         |                        |                   |                |
| Raticate Common Brown Rat Killer with Shoxin  |                        |                   |                |
| Shoxin .....  | 1.00                   | 1.05              | Passed         |
| <b>Thompson-Hayward Chemical Co.</b>  |                        |                   |                |
| Casoron G-4   |                        |                   |                |
| Dichlobenil .....   | 4.00                   | 4.32              | Passed         |

| Manufacturers and Brands                                | Guaranteed<br>Per Cent | Found<br>Per Cent | Decisions      |
|---|------------------------|-------------------|----------------|
| <b>Tuco Products Co.</b>                                |                        |                   |                |
| <b>Division of the Upjohn Co.</b>                       |                        |                   |                |
| Tuco Enide 50W  |                        |                   |                |
| Diphenamide .....                                       | 50.00                  | 50.43             | Passed         |
| <b>Whitmoyer Laboratories, Inc.</b>                     |                        |                   |                |
| Whitmoyer 10FEC-14 Disinfectant and Detergent Sanitizer |                        |                   |                |
| Available iodine .....                                  | 1.75                   | 1.96              | Not Registered |
| Phosphoric acid .....                                   | 2.00                   | 2.02              |                |













